

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.
F1_R2

Date Report Reqsted: 08/09/2006
Time Report Reqsted: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

C Number:	C97008		
Lock Date:	08/16/2004		
Cage Range:	ALL		
Date Range:	ALL		
Reasons For Removal:	25021 TSAC	25020 NATD	25019 MSAC
Removal Date Range:	ALL		
Treatment Groups:	Include ALL		

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Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	1	TMT:	1	SEX:	Male	DAY ON TEST:	729
		DOSE:	CONTROL	DISP:	Terminal Sacrifice	HISTO:	47981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-9]		

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Species/Strain: RATS/F 344

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PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 2 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 47982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Minimal
* Heart Cardiomyopathy Minimal
* Kidney Nephropathy Chronic, Mild
* Liver Clear Cell Focus
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Minimal
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Hyperplasia Marked
* Prostate Inflammation Suppurative, Mild
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 1-9]
* Thyroid Gland C Cell Hyperplasia Minimal

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Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

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First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 3 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 47983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Bone Marrow Leukemia Mononuclear
Ear Pinna Neural Crest Tumor
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Basophilic Focus Leukemia Mononuclear Mixed Cell Focus
* Lung Leukemia Mononuclear Neural Crest Tumor Metastatic (Skin)
[Neural Crest Tumor TGLs = 5-14]
* Lymph Node, Mediastinal Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Prostate Inflammation Suppurative, Mild
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-14]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

* PROTOCOL REQUIRED TISSUE

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Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 4	TMT: 1	SEX: Male	DAY ON TEST: 720
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 47984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------------------------|-------------------------------------------------------|-------------------------|
| * Adrenal Medulla | Pheochromocytoma Benign
Pheochromocytoma Malignant | |
| [Pheochromocytoma Benign TGLs = 7-7] | | |
| [Pheochromocytoma Malignant TGLs = 6-14] | | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Marked |
| [Nephropathy TGLs = 8-7] | | |
| * Larynx | Inflammation | Chronic Active, Mild |
| * Liver | Degeneration
Leukemia Mononuclear | Cystic, Mild |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 5,9-15+16] | | |
| * Pancreas | Mixed Tumor Benign | |
| [Mixed Tumor Benign TGLs = 11-6] | | |
| * Pituitary Gland Pars Distalis | Adenoma | |
| [Adenoma TGLs = 12-10] | | |
| * Preputial Gland | Inflammation | Chronic Active, Minimal |
| * Prostate | Inflammation | Suppurative, Mild |
| * Spleen | Leukemia Mononuclear | |
| * Stomach, Forestomach | Ulcer | Mild |
| * Stomach, Glandular | Erosion | Mild |

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Species/Strain: RATS/F 344

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Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 4 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 720
HISTO: 47984

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLs = 13-17]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 10-9]
* Thyroid Gland C Cell Adenoma
[Adenoma TGLs = 3-3]

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

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Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 5

TMT: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 47985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Pancreas
- * Seminal Vesicle
- * Thymus

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Skin
- * Thyroid Gland

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea

- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

MISSING

- * Lymph Node, Bronchial

- * Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	Alveolar Epith	Metaplasia	Squamous, Minimal
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 3-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hemorrhage	Chronic, Mild
	[Hemorrhage TGLs = 4-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-9]		

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Species/Strain: RATS/F 344

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Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	6	TMT:	1	SEX:	Male	DAY ON TEST:	667
		DOSE:	CONTROL	DISP:	Natural Death	HISTO:	47986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Islets, Pancreatic	* Liver	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-10]			
* Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

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Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 7 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 47987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Mammary Gland * Prostate * Stomach, Forestomach * Urinary Bladder * Bone * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Nose * Salivary Glands * Thymus * Bone Marrow * Eye * Intestine Large, Rectum * Larynx * Pancreas * Seminal Vesicle * Thyroid Gland * Brain * Harderian Gland * Intestine Small, Duodenum * Lymph Node, Mediastinal * Parathyroid Gland * Spleen * Trachea

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
* Heart Cardiomyopathy Minimal
* Islets, Pancreatic Adenoma
* Kidney Nephropathy Chronic, Minimal
* Liver Clear Cell Focus
* Lung Alveolus Infiltration Cellular TGLs = 2-4+5 Histiocyte, Minimal
* Lymph Node, Mesenteric Angiectasis Minimal
* Pituitary Gland Pars Distalis Adenoma TGLs = 3-10
* Preputial Gland Inflammation Chronic Active, Minimal
* Skin Keratoacanthoma TGLs = 1-14
* Stomach, Glandular Erosion Mild
* Testes Bilateral, Interstit Cell Adenoma TGLs = 4-9

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 8 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 47988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Heart Cardiomyopathy Minimal
* Islets, Pancreatic Adenoma
* Kidney Nephropathy Chronic, Moderate
* Liver Degeneration Cystic, Mild
Vacuolization Cytoplasmic Mild
* Lymph Node, Bronchial Angiectasis Moderate
[Angiectasis TGLs = 1-3]
Mesentery Necrosis Moderate
[Necrosis TGLs = 2-14]
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
* Preputial Gland Inflammation Chronic Active, Minimal
* Prostate Hyperplasia Mild
Inflammation Chronic Active, Mild
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3,5-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 9	TMT: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 47989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-----------------------------|---------------------------|----------------------|
| * Brain | Compression | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Islets, Pancreatic | Carcinoma | |
| [Carcinoma TGLs = 4-14] | | |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Clear Cell Focus | |
| * Lung | Foreign Body | |
| Lymph Node | Angiectasis | Moderate |
| [Angiectasis TGLs = 5-6] | | |
| * Lymph Node, Bronchial | Hyperplasia | Lymphoid, Moderate |
| [Hyperplasia TGLs = 1-14] | | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 3-15] | | |
| * Pancreas | Atrophy | Mild |
| | Acinus | |
| * Pituitary Gland | Adenoma | |
| [Adenoma TGLs = 6-10] | | |
| * Prostate | Inflammation | Suppurative, Minimal |
| * Testes | Adenoma | |
| [Adenoma TGLs = 2-9] | | |
| | Bilateral, Interstit Cell | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
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Species/Strain: RATS/F 344

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First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	10	TMT:	1	SEX:	Male	DAY ON TEST:	376
		DOSE:	CONTROL	DISP:	Natural Death	HISTO:	47990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

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

INSUFFICIENT TISSUE

* Lymph Node, Mediastinal

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma	TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

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Date Report Requested: 08/09/2006
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 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	11	TMT:	1	SEX:	Male	DAY ON TEST:	730
		DOSE:	CONTROL	DISP:	Terminal Sacrifice	HISTO:	47991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon	Artery	Inflammation	Chronic Active, Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	
		Inflammation	Chronic Active, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLs = 3-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-9]		
* Thymus		Leukemia Mononuclear	

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 Species/Strain: RATS/F 344

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Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 12 TMT: 1 SEX: Male DAY ON TEST: 729
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 47992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|-------------------------|-------------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone | | Chordoma | |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Inflammation | Suppurative, Minimal |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Lung | | Chordoma | Metastatic (Bone) |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1-9] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Marked |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 13 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 47993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Bone * Bone Marrow * Epididymis
* Esophagus * Eye * Harderian Gland * Intestine Large, Cecum
* Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum
* Intestine Small, Jejunum * Islets, Pancreatic * Larynx * Liver
* 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 * Lymph Node, Mandibular * Lymph Node, Mediastinal * Mammary Gland

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Lung Alveolar Epith Hyperplasia Mild
* Pancreas Acinus Atrophy Moderate
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
* Prostate Inflammation Suppurative, Moderate
* Skin Subcut Tiss Lipoma
[Lipoma TGLs = 1-15+16]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 2-9]
* Thyroid Gland C Cell Hyperplasia Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 14 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 47994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Clear Cell Focus TGLs = 2-6 Clear Cell Focus
* Lung Alveolar Epith Alveolus Hyperplasia Moderate
Alveolus Infiltration Cellular Histiocyte, Mild
* Nose Olfactory Epi Atrophy Moderate
Foreign Body Chronic Active, Mild
Inflammation
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
* Prostate Hyperplasia Mild
Inflammation Suppurative, Minimal
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 15 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 503 HISTO: 47995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Mediastinal
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mesenteric
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Mammary Gland
- * Skin
- * Thymus
- * Bone Marrow
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lung
- * Parathyroid Gland
- * Spleen
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-------------------------|--------------|-------------------------|
| * Brain | | Necrosis | Moderate |
| * Nose | Glands, Respirat Epith | Hyperplasia | Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Testes | Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2-9] | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 16	TMT: 1	SEX: Male	DAY ON TEST: 589
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 47996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLs = 1-15+16+17]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 17 TMT: 1 SEX: Male DAY ON TEST: 730
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 47997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia Vacuolization Cytoplasmic	Mild Minimal
* Kidney [Nephropathy TGLs = 3-7]	Nephropathy	Chronic, Moderate
* Liver	Clear Cell Focus	
* Mammary Gland	Adenoma	
* Nose	Inflammation	Suppurative, Minimal
* Pituitary Gland Pars Distalis [Adenoma TGLs = 2-10]	Adenoma	
* Prostate	Inflammation	Suppurative, Mild
* Skin Subcut Tiss [Fibrosis TGLs = 5-14]	Fibrosis	Marked
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes Bilateral, Interstit Cell [Adenoma TGLs = 4-9]	Adenoma	
* Thyroid Gland C Cell [Carcinoma TGLs = 1-3]	Carcinoma	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 18 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 47998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear * Adrenal Medulla Leukemia Mononuclear Pheochromocytoma Benign * Bone Marrow Leukemia Mononuclear * Heart Cardiomyopathy Mild * Kidney Nephropathy Chronic, Mild [Nephropathy TGLs = 7-7] * Liver Eosinophilic Focus Leukemia Mononuclear [Leukemia Mononuclear TGLs = 6-6] * Lung Leukemia Mononuclear * Lymph Node, Mesenteric Leukemia Mononuclear * Pancreas Acinus Atrophy Mild * Preputial Gland Adenoma [Adenoma TGLs = 1-15] * Skin Subcut Tiss Fibroma Ulcer Mild [Fibroma TGLs = 2-16+17] * Spleen Leukemia Mononuclear [Leukemia Mononuclear TGLs = 4-14,5-15] * Testes Bilateral, Interstit Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	18	TMT:	1
		DOSE:	CONTROL

SEX:	Male
DISP:	Terminal Sacrifice

DAY ON TEST:	730
HISTO:	47998

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 19 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 695 HISTO: 47999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Infiltration Cellular Lymphocyte, Minimal
* Brain Compression Marked
* Heart Cardiomyopathy Mild
* Islets, Pancreatic Carcinoma
* Kidney Nephropathy Chronic, Moderate
* Liver Angiectasis Minimal
Mesentery Clear Cell Focus
[Necrosis TGLs = 4-14] Necrosis Moderate
* Nose Foreign Body Inflammation Chronic Active, Mild
Olfactory Epi Metaplasia Respiratory, Mild
Peritoneum Mesothelioma Malignant
* Pituitary Gland Adenoma Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
* Prostate Inflammation Suppurative, Minimal
* Skin Sebaceous GI Adenoma Mild
[Adenoma TGLs = 5-14] Ulcer
* Testes Interstit Cell Adenoma
Germinal Epith Atrophy Marked
Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 19 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 695
HISTO: 47999

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 3-9]
[Atrophy TGLs = 2-9]
* Thyroid Gland C Cell Hyperplasia Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 20	TMT: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Foreign Body Inflammation	Chronic Active, Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Prostate		Hyperplasia Inflammation	Mild Suppurative, Minimal
* Testes	Interstitial Cell Germinal Epith	Adenoma Atrophy	Marked
	[Adenoma TGLs = 3-9]		
	[Atrophy TGLs = 2-9]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 21 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 703 HISTO: 48001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Parathyroid Gland * Spleen * Thymus * Bone Marrow * Eye * Intestine Large, Rectum * Larynx * Preputial Gland * Stomach, Forestomach * Trachea * Brain * Harderian Gland * Intestine Small, Duodenum * Nose * Salivary Glands * Stomach, Glandular * Urinary Bladder * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Pancreas * Seminal Vesicle * Testes

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Subcapsular Hyperplasia Vacuolization Cytoplasmic Minimal Moderate
* Adrenal Medulla Hyperplasia Mild
* Heart Cardiomyopathy Minimal
* Islets, Pancreatic Carcinoma
* Kidney Nephropathy Chronic, Mild
* Liver Inflammation Vacuolization Cytoplasmic Chronic Active, Mild Mild
* Lung Alveolar Epith Metaplasia Squamous, Minimal
* Lymph Node, Mesenteric Hyperplasia Infiltration Cellular Lymphoid, Moderate Histiocyte, Mild
* Mammary Gland Inflammation Suppurative, Minimal
* Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 2-10]
* Prostate Inflammation Suppurative, Mild
* Skin [Keratoacanthoma TGLs = 1-15]
* Thyroid Gland C Cell Adenoma

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 22 TMT: 1 SEX: Male DAY ON TEST: 729
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 48002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Hypertrophy	Mild
* Adrenal Medulla	Hyperplasia	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Chronic, Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatocellular Carcinoma	
	Mixed Cell Focus	
[Clear Cell Focus TGLs = 6-14]		
[Hepatocellular Carcinoma TGLs = 5-15]		
* Lymph Node, Mediastinal	Hyperplasia	Lymphoid, Moderate
* Pituitary Gland Pars Distalis	Adenoma	
[Adenoma TGLs = 1-10]		
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Hyperplasia	Mild
* Skin Subcut Tiss	Fibroma	
	Keratoacanthoma	
[Fibroma TGLs = 3-17]		
[Keratoacanthoma TGLs = 2-16]		
* Testes Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLs = 4-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 23 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 640 HISTO: 48003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Degeneration Cystic, Marked Vacuolization Cytoplasmic Moderate * Adrenal Medulla Hyperplasia Moderate * Heart Cardiomyopathy Mild * Kidney Nephropathy Chronic, Mild * Liver Vacuolization Cytoplasmic TGLs = 3-6 Marked * Lymph Node, Mesenteric Hemorrhage Moderate Mesentery Necrosis Mild [Necrosis TGLs = 2-16] * Pituitary Gland Pars Distalis Adenoma * Spleen Hematopoietic Cell Proliferation Mild * Testes Interstit Cell Adenoma Tissue NOS Thoracic Lipoma [Lipoma TGLs = 4-3+14]

PRIMARY CAUSE OF DEATH - Tissue NOS Thoracic Lipoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 24	TMT: 1	SEX: Male	DAY ON TEST: 659
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

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

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Edema	Moderate
	[Edema TGLs = 4-16]		
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Vacuolization Cytoplasmic	Marked
	[Vacuolization Cytoplasmic TGLs = 3-6]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 2-14]		
* Nose	Respirat Epith	Foreign Body	
		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 24 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 659
HISTO: 48004

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 6-16]		
* Stomach, Glandular	Ulcer	Moderate
[Ulcer TGLs = 5,7-10+15]		
* Testes	Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Stomach, Forestomach Ulcer
 - Stomach, Glandular Ulcer

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	25	TMT:	1	SEX:	Male	DAY ON TEST:	730
		DOSE:	CONTROL	DISP:	Terminal Sacrifice	HISTO:	48005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|---------------------------|----------------------------------------|-------------------------|------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | Bilateral | Leukemia Mononuclear | |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Chronic, Minimal |
| | [Leukemia Mononuclear TGLs = 6-7+16] | | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-14] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-15] | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-8] | | |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 25 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48005

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Adenoma Inflammation	Chronic Active, Mild
[Adenoma TGLs = 1-15]		
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-14]		
* Testes	Adenoma	
Bilateral, Interstit Cell		
[Adenoma TGLs = 5-9]		
* Thymus	Leukemia Mononuclear	
* Thyroid Gland	Leukemia Mononuclear	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 26 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Bone * Bone Marrow * Brain
* Epididymis * Esophagus * Harderian Gland * Intestine Large, Cecum
* Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum
* Intestine Small, Jejunum * Islets, Pancreatic * Larynx * Mammary Gland
* Pancreas * Parathyroid Gland * Preputial Gland * Salivary Glands
* Seminal Vesicle * Spleen * Stomach, Forestomach * Stomach, Glandular
* Thymus * Thyroid Gland * Trachea * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Vacuolization Cytoplasmic Minimal
* Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Degeneration Cystic, Minimal
* Lung Alveolar Epith Hyperplasia Mild
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
* Nose Glands, Respirat Epith Hyperplasia Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Prostate Inflammation Chronic Active, Moderate
* Skin Ulcer Moderate
[Ulcer TGLs = 4-14]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3,5,6-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 27 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 628 HISTO: 48007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Epididymis * Heart * Intestine Small, Duodenum * Lung * Preputial Gland * Skin * Thyroid Gland * Bone * Esophagus * Intestine Large, Cecum * Intestine Small, Ileum * Lymph Node, Mesenteric * Prostate * Stomach, Forestomach * Trachea * Bone Marrow * Eye * Intestine Large, Colon * Intestine Small, Jejunum * Nose * Salivary Glands * Stomach, Glandular * Urinary Bladder * Brain * Harderian Gland * Intestine Large, Rectum * Larynx * Parathyroid Gland * Seminal Vesicle * Thymus

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hematopoietic Cell Proliferation Minimal
* Islets, Pancreatic Carcinoma
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus
* Lymph Node, Mediastinal Hyperplasia Lymphoid, Moderate
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-14+15+16+17+18+19]
Mesentery Necrosis Moderate
[Necrosis TGLs = 3-20]
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Spleen Hematopoietic Cell Proliferation Marked
* Testes Interstit Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 28 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 695 HISTO: 48008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear Vacuolization Cytoplasmic Mild
* Adrenal Medulla Hyperplasia Leukemia Mononuclear Pheochromocytoma Benign Mild
* Bone Marrow Leukemia Mononuclear
* Heart Atrium Schwannoma Benign Thrombosis Moderate
Note: The lesion diagnosed schwannoma, benign is actually diagnosed as chemodectoma, benign. Chemodectoma is not a choice in the neoplasia pull down menu for heart. [Thrombosis TGLs = 8-6]
* Kidney Nephropathy Chronic, Minimal
* Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-6]
* Lung Leukemia Mononuclear
* Lymph Node, Bronchial Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 7-15]
* Nose Foreign Body Inflammation Chronic Active, Moderate Metaplasia Squamous, Moderate
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Hyperplasia Moderate
[Hyperplasia TGLs = 1-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 28 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 695
HISTO: 48008

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3,4,9-14+15]		
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
	[Adenoma TGLs = 6-9]		
	[Atrophy TGLs = 5-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 29 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 652 HISTO: 48009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Brain Compression Marked
* Heart Cardiomyopathy Mild
* Kidney Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-7] Nephropathy Chronic, Mild
* Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-6] Vacuolization Cytoplasmic Moderate
* Lung Leukemia Mononuclear
* Lymph Node, Bronchial Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-15]
* Lymph Node, Mesenteric Leukemia Mononuclear
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Prostate Inflammation Suppurative, Mild
* Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 29 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 652
HISTO: 48009

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach	Ulcer	Mild
[Ulcer TGLs = 5-15]		
* Stomach, Glandular	Ulcer	Moderate
[Ulcer TGLs = 5-15]		
* Testes	Interstit Cell	Hyperplasia
		Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 30	TMT: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia Leukemia Mononuclear	Mild
* Adrenal Medulla	Hyperplasia Leukemia Mononuclear	Mild
* Bone [Osteosarcoma TGLs = 5-14]	Osteosarcoma	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy Leukemia Mononuclear	Minimal
* Kidney [Infarct TGLs = 8-7]	Infarct Nephropathy	Chronic, Mild
* Liver [Leukemia Mononuclear TGLs = 4-6]	Leukemia Mononuclear	
* Lung Alveolar Epith [Hyperplasia TGLs = 1-16]	Hyperplasia Leukemia Mononuclear	Mild
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose Glands, Respirat Epith	Hyperplasia	Mild
* Pancreas Acinus	Atrophy	Mild
* Pituitary Gland Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 30 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 729 HISTO: 48010

ORGAN AND ACCOUNTABLE SITE STATUS

	[Adenoma TGLs = 6-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3,10-15]		
* Stomach, Glandular		Erosion	Mild
		Ulcer	Mild
	[Erosion TGLs = 9-10+17]		
	[Ulcer TGLs = 9-17]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-9]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 31 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 565 HISTO: 48011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart Cardiomyopathy Mild
* Liver Basophilic Focus
* Nose Respirat Epith Hyperplasia Inflammation Mild Chronic Active, Mild
* Pituitary Gland Pars Distalis Hyperplasia Moderate
* Skin Subcut Tiss Fibroma
[Fibroma TGLs = 1-14+15+16]
* Spleen Hematopoietic Cell Proliferation Marked
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 32 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Stomach, Glandular
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Seminal Vesicle
- * Thymus
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Skin
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Leukemia Mononuclear
 - Vacuolization Cytoplasmic
 Mild
- * Adrenal Medulla
 - Hyperplasia
 - Leukemia Mononuclear
 Mild
- * Bone Marrow
 - Leukemia Mononuclear
- * Heart
 - Cardiomyopathy
 Mild
- * Islets, Pancreatic
 - Hyperplasia
 Moderate
- * Kidney
 - Nephropathy
 Chronic, Mild
- * Liver
 - Leukemia Mononuclear
- * Lung
 - [Leukemia Mononuclear TGLs = 4-6]
 - Alveolar Epith
 - [Adenoma TGLs = 6-15]
 Adenoma
Leukemia Mononuclear
- * Lymph Node, Mediastinal
 - Mesentery
 - [Necrosis TGLs = 5-15]
 Leukemia Mononuclear
Necrosis
Moderate
- * Pancreas
 - Acinus
 Atrophy
Mild
- * Pituitary Gland
 - Pars Distalis
 - [Adenoma TGLs = 1-10]
 Adenoma
- * Preputial Gland
 - Inflammation
 Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 32 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48012

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3-14]		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 33 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 589 HISTO: 48013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Pheochromocytoma Benign
* Heart Cardiomyopathy Minimal
* Kidney Nephropathy Chronic, Mild
* Liver [Leukemia Mononuclear TGLs = 3-6] Leukemia Mononuclear
* Lung [Hyperplasia TGLs = 4-5] Alveolar Epith Hyperplasia Mild
* Lymph Node, Mesenteric Leukemia Mononuclear
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Hyperplasia Moderate
* Spleen Leukemia Mononuclear
* Testes [Adenoma TGLs = 2-9] Interstit Cell Adenoma
* Thymus Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 34

TMT: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 48014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Seminal Vesicle
- * Thymus

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Skin
- * Thyroid Gland

- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Prostate
- * Stomach, Forestomach
- * Trachea

- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

MISSING

* Lymph Node, Bronchial

* Lymph Node, Mandibular

* Lymph Node, Mediastinal

* Mammary Gland

OBSERVATIONS

- * Adrenal Medulla
- * Heart
- * Kidney
- * Liver

Hyperplasia
 Cardiomyopathy
 Nephropathy
 Basophilic Focus
 Leukemia Mononuclear

Mild
 Mild
 Chronic, Minimal

[Leukemia Mononuclear TGLs = 2-6]

- * Lung
- * Lymph Node, Mesenteric

Leukemia Mononuclear
 Infiltration Cellular

Histiocyte, Mild

- * Nose
- Respirat Epith

Hyperplasia
 Inflammation

Mild
 Chronic Active, Mild

- * Pituitary Gland
- Pars Distalis

Hyperplasia
 Inflammation

Moderate
 Chronic Active, Minimal

- * Preputial Gland

Hematopoietic Cell Proliferation
 Leukemia Mononuclear

Moderate

- * Spleen

- * Testes
- Bilateral, Interstit Cell
 [Adenoma TGLs = 1-9]

Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 35 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Medulla [Pheochromocytoma Malignant TGLs = 4-15] Hyperplasia Pheochromocytoma Malignant Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Liver Hematopoietic Cell Proliferation Minimal
Vacuolization Cytoplasmic Mild
* Lung [Hyperplasia Alveolar Epith TGLs = 7-14] Hyperplasia Moderate
* Lymph Node, Mediastinal Infiltration Cellular Histiocyte, Moderate
* Lymph Node, Mesenteric [Ectasia TGLs = 6-17] Ectasia Moderate
Infiltration Cellular Histiocyte, Moderate
Mesentery [Necrosis TGLs = 3-16] Necrosis Moderate
* Pancreas Acinus Hyperplasia Moderate
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Prostate Hyperplasia Mild
Inflammation Suppurative, Mild
* Spleen Hematopoietic Cell Proliferation Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Reqsted: 08/09/2006

Time Report Reqsted: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 35 **TMT:** 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48015

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma	TGLs = 5-9]	
* Thyroid Gland	C Cell	Carcinoma
[Carcinoma	TGLs = 1-3]	

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 36	TMT: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Eye | Cornea | Mineralization | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | Atrium | Leukemia Mononuclear | |
| | [Thrombosis TGLs = 3-14] | Thrombosis | Marked |
| * Islets, Pancreatic | | Adenoma | |
| | [Adenoma TGLs = 5-15] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-6] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-16] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-15] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 9-17] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 36 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48016

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Chronic Active, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLs = 7-9]		
* Thyroid Gland	C Cell	Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 37 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex * Bone * Bone Marrow * Epididymis
* Esophagus * Eye * Harderian Gland * Intestine Large, Cecum
* Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum
* Intestine Small, Jejunum * Islets, Pancreatic * Mammary Gland * Nose
* Parathyroid Gland * Preputial Gland * Salivary Glands * Seminal Vesicle
* Stomach, Forestomach * Stomach, Glandular * Thymus * Trachea
* Urinary Bladder

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Mild
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
[Nephropathy TGLs = 6-7]
* Larynx Metaplasia Squamous, Minimal
* Liver Leukemia Mononuclear
* Lung Leukemia Mononuclear
* Lymph Node, Mediastinal Hyperplasia Lymphoid, Moderate
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
* Pancreas Acinus Hyperplasia Marked
[Hyperplasia TGLs = 7-14]
* Pituitary Gland Pars Distalis Adenoma
Pars Intermed Adenoma
[Adenoma TGLs = 2-10]
* Prostate Hyperplasia Mild
Inflammation Suppurative, Mild
* Skin Cyst Epithelial Inclusion Marked
[Cyst Epithelial Inclusion TGLs = 1-16+17]
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-14]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 37 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48017

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
	[Adenoma TGLs = 3-9] [Atrophy TGLs = 4-9]		
* Thyroid Gland	C Cell	Carcinoma	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 38 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 624 HISTO: 48018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Heart Cardiomyopathy Minimal
* Kidney Cyst Inflammation Nephropathy Suppurative, Marked Chronic, Marked
[Cyst TGLs = 4,5-7+15+16]
[Inflammation TGLs = 4-15]
* Liver Leukemia Mononuclear
* Pancreas Mixed Tumor Benign
* Pituitary Gland Pars Distalis Hyperplasia Minimal
* Skin Keratoacanthoma Multiple
[Keratoacanthoma TGLs = 1-14,2-17]
* Spleen Leukemia Mononuclear
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]
* Urinary Bladder Transit Epithe Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Kidney Cyst

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 40	TMT: 1	SEX: Male	DAY ON TEST: 481
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx | * Liver |
| * Lung | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Parathyroid Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------------|----------------|----------------|-----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Islets, Pancreatic | | Carcinoma | |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Nose | | Foreign Body | |
| | Respirat Epith | Hyperplasia | Mild |
| | Respirat Epith | Metaplasia | Squamous, Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 1-10] | | | |
| * Prostate | | Inflammation | Suppurative, Moderate |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 41 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 711 HISTO: 48021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Pheochromocytoma Benign
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 7-6]
- * Lung Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 1-4+5]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Preputial Gland Inflammation Chronic Active, Mild
- * Prostate Inflammation Suppurative, Minimal
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 4,5,6-14]
- * Testes Bilateral, Interstit Cell Adenoma
- [Adenoma TGLs = 3-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 42	TMT: 1	SEX: Male	DAY ON TEST: 561
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Larynx | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------------------------|----------------------------------|----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Necrosis | Minimal |
| Lymph Node | Deep Cervical | Hemorrhage | Mild |
| | Deep Cervical | Hyperplasia | Lymphoid, Moderate |
| | [Hyperplasia TGLs = 1-15] | | |
| * Pancreas | Acinus | Hyperplasia | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |
| * Preputial Gland | | Adenoma | |
| | | Inflammation | Chronic Active, Mild |
| | [Adenoma TGLs = 4-9] | | |
| * Prostate | | Inflammation | Suppurative, Minimal |
| * Skin | Subcut Tiss | Fibrosarcoma | |
| | | Ulcer | Marked |
| | [Fibrosarcoma TGLs = 3-16+17] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Marked |
| | [Hematopoietic Cell Proliferation TGLs = 5-15] | | |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 43 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal Vacuolization Cytoplasmic Mild * Brain Compression Marked * Heart Cardiomyopathy Minimal * Kidney Nephropathy Chronic, Moderate * Liver Leukemia Mononuclear [Leukemia Mononuclear TGLs = 4-6] * Mammary Gland Adenoma [Adenoma TGLs = 5-15] * Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 2-10] * Skin Subcut Tiss Inflammation Marked Ulcer Moderate [Inflammation TGLs = 1-14] * Spleen Leukemia Mononuclear * Stomach, Forestomach Ulcer Marked [Ulcer TGLs = 6-10] * Testes Interstit Cell Adenoma Germinal Epith Atrophy Marked [Adenoma TGLs = 3-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 44 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 698 HISTO: 48024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Heart Atrium Thrombosis Marked
* Liver Centrilobular Degeneration Leukemia Mononuclear Mild
* Pancreas Acinus Atrophy Mild
* Spleen Leukemia Mononuclear
* Stomach, Glandular Erosion Mild
* Testes Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 45 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Vacuolization Cytoplasmic Mild Mild
* Adrenal Medulla Bilateral Pheochromocytoma Benign
* Heart Cardiomyopathy Minimal
* Kidney Nephropathy Chronic, Moderate
* Liver [Clear Cell Focus TGLs = 5-6] Clear Cell Focus
* Pancreas Acinus Atrophy Moderate
* Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 1-10]
* Prostate Hyperplasia Inflammation Mild Chronic Active, Moderate
* Seminal Vesicle Hyperplasia Moderate
* Spleen Hyperplasia Lymphoid, Focal, Marked [Hyperplasia TGLs = 4-14]
* Testes Bilateral, Interstit Cell Adenoma [Adenoma TGLs = 2,3-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 46 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 721 HISTO: 48026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Lymph Node, Mesenteric * Salivary Glands * Testes * Bone * Eye * Intestine Large, Rectum * Islets, Pancreatic * Mammary Gland * Seminal Vesicle * Trachea * Bone Marrow * Harderian Gland * Intestine Small, Duodenum * Larynx * Nose * Skin * Urinary Bladder * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Lung * Parathyroid Gland * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild Vacuolization Cytoplasmic Mild * Brain Compression Mild * Heart Cardiomyopathy Moderate * Kidney Nephropathy Chronic, Mild * Liver [Leukemia Mononuclear TGLs = 4-6] Leukemia Mononuclear * Pancreas Acinus Atrophy Moderate * Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 3-10] * Preputial Gland Inflammation Chronic Active, Mild * Prostate Inflammation Suppurative, Moderate * Spleen Leukemia Mononuclear * Stomach, Forestomach Edema Moderate * Thymus Thymoma Benign [Thymoma Benign TGLs = 2-3] * Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 47 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 673 HISTO: 48027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Eye * Intestine Large, Rectum * Islets, Pancreatic * Nose * Seminal Vesicle * Thymus * Bone Marrow * Harderian Gland * Intestine Small, Duodenum * Larynx * Pancreas * Spleen * Trachea * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Lung * Preputial Gland * Stomach, Forestomach * Urinary Bladder * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Mammary Gland * Salivary Glands * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Vacuolization Cytoplasmic Mild
* Adrenal Medulla Hyperplasia Mild
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Vacuolization Cytoplasmic Moderate
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
* Prostate Inflammation Suppurative, Mild
* Skin Cyst Epithelial Inclusion Moderate
[Cyst Epithelial Inclusion TGLs = 1,2-14+15]
* Testes Interstit Cell Adenoma
[Adenoma TGLs = 4-9]
* Thyroid Gland C Cell Adenoma

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 48	TMT: 1	SEX: Male	DAY ON TEST: 647
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------|----------------------------------------|----------------------|-------------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Larynx | | Foreign Body | |
| | | Inflammation | Chronic Active, Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-6] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Angiectasis | Marked |
| | Pancreatic | Leukemia Mononuclear | |
| * Nose | | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Prostate | | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3,5-14] | | |
| * Stomach, Glandular | | Ulcer | Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	48	TMT:	1
		DOSE:	CONTROL

SEX:	Male
DISP:	Moribund Sacrifice

DAY ON TEST:	647
HISTO:	48028

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 49	TMT: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

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

* Thymus

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
	Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla	Hyperplasia	Mild
	Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 6-15]	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
* Islets, Pancreatic	Adenoma	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Chronic, Marked
	[Nephropathy TGLs = 5-7]	
* Liver	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]	
* Lung	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-3]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Pancreas	Acinus	
	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	
	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 49 TMT: 1 DOSE: CONTROL

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48029

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 1-10]

* Preputial Gland	Inflammation	Chronic Active, Minimal
* Prostate	Hyperplasia Inflammation	Mild Chronic Active, Moderate
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2,3-14]		
* Testes	Germinal Epith	Moderate
* Thyroid Gland	Follicular Cel	
* Urinary Bladder	Inflammation	Chronic, Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 50	TMT: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Parathyroid Gland | * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach |
| Tongue | * Trachea | * Urinary Bladder | |

MISSING

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

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|-----------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | Alveolar Epith | Hyperplasia | Moderate |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |
| * Nose | Respirat Epith | Foreign Body | |
| | | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Skin | Subcut Tiss | Lipoma | |
| | [Lipoma TGLs = 1-15+16] | | |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-6] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 50 TMT: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48030

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Ulcer	Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 201 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Leukemia Mononuclear
 Moderate
- * Adrenal Medulla
 - Leukemia Mononuclear
- * Heart
 - Cardiomyopathy
 Mild
- * Islets, Pancreatic
 - Adenoma
- * Kidney
 - Nephropathy
 Chronic, Moderate
- * Liver
 - Hepatodiaphragmatic Nodule
 - Leukemia Mononuclear
 Marked
- [Hepatodiaphragmatic Nodule TGLs = 5-15]
 [Leukemia Mononuclear TGLs = 4-6]
- * Lung
 - Alveolar Epith
 - Hyperplasia
 - Leukemia Mononuclear
 Moderate
- [Hyperplasia TGLs = 9,10-5+14]
- * Lymph Node, Bronchial
 - Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-3]
- * Lymph Node, Mesenteric
 - Infiltration Cellular
 - Necrosis
 Histiocyte, Mild
Moderate
- [Necrosis TGLs = 7-14]
- * Nose
 - Respirat Epith
 - Olfactory Epi
 - Olfactory Epi
 Foreign Body
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Minimal
Basal Cell, Minimal
Chronic Active, Mild
Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 201 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48281

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 8-9]		
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 1-3]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 202	TMT: 3	SEX: Male	DAY ON TEST: 721
	DOSE: 16 PPM	DISP: Natural Death	HISTO: 48282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLs = 3-14]	Hepatodiaphragmatic Nodule	Marked
* Nose	Olfactory Epi	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLs = 2-15]		
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1-14]		
* Testes	Interstitial Cell	Adenoma	
	[Adenoma TGLs = 4,5-9]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	202	TMT:	3
		DOSE:	16 PPM

SEX:	Male
DISP:	Natural Death

DAY ON TEST:	721
HISTO:	48282

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 203 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Preputial Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Testes
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Seminal Vesicle
- * Thymus

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Minimal
- * Brain Compression Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
- * Liver Leukemia Mononuclear
- * Lymph Node, Mediastinal [Angiectasis TGLs = 1-3] Angiectasis Moderate
- * Lymph Node, Mesenteric Mesentery [Necrosis TGLs = 2-14] Infiltration Cellular Histiocyte, Mild
Necrosis Moderate
- * Nose Foreign Body Minimal
Respirat Epith Hyperplasia Basal Cell, Minimal
Olfactory Epi Hyperplasia Chronic Active, Minimal
Inflammation Respiratory, Moderate
Metaplasia
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 4-10]
- * Prostate Inflammation Suppurative, Mild
- * Skin Keratoacanthoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	203	TMT:	3
		DOSE:	16 PPM

SEX:	Male
DISP:	Terminal Sacrifice

DAY ON TEST:	729
HISTO:	48283

ORGAN AND ACCOUNTABLE SITE STATUS

[Keratoacanthoma TGLs = 5-14]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLs = 3-6]

* Thyroid Gland

C Cell

Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 204 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Spleen
- * Trachea
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Stomach, Forestomach
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Seminal Vesicle
- * Stomach, Glandular
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Skin
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Pheochromocytoma Benign
- * Brain Compression Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Marked
 - [Nephropathy TGLs = 3-7]
- * Liver Angiectasis Moderate
 - Basophilic Focus Mild
 - Vacuolization Cytoplasmic Mild
- * Lung Alveolar Epith Hyperplasia Mild
- * Nose Olfactory Epi Hyperplasia Basal Cell, Minimal
 - Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
 - [Adenoma TGLs = 1-10]
- * Preputial Gland Inflammation Chronic Active, Mild
- * Prostate Inflammation Suppurative, Minimal
- * Testes Interstit Cell Adenoma
 - [Adenoma TGLs = 2-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 205 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 669 HISTO: 48285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Brain Compression Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- * Lung Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
- * Preputial Gland Inflammation Chronic Active, Moderate
- * Prostate Inflammation Suppurative, Mild
- * Spleen Leukemia Mononuclear
- * Testes Interstit Cell Adenoma
[Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 206 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Natural Death

DAY ON TEST: 597 HISTO: 48286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Mammary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lung
- * Parathyroid Gland
- * Skin
- * Testes
- * Bone Marrow
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Spleen
- * Thyroid Gland

MISSING

- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Thymus

OBSERVATIONS

- * Brain Compression Moderate
- * Liver Basophilic Focus
Clear Cell Focus
- * Nose Olfactory Epi Atrophy Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Olfactory Epi Metaplasia Respiratory, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Prostate Inflammation Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 207 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 684 HISTO: 48287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
- * Adrenal Medulla
- * Heart
- * Kidney
- * Larynx
- * Liver
- * Lung
- * Nose
- * Pancreas
- * Pituitary Gland
- * Prostate
- * Spleen
- * Testes
- * Thyroid Gland
- Vacuolization Cytoplasmic
- Hyperplasia
- Cardiomyopathy
- Nephropathy
- Foreign Body
- Basophilic Focus
- Leukemia Mononuclear
- Histiocytic Sarcoma
- Leukemia Mononuclear
- Atrophy
- Hyperplasia
- Hyperplasia
- Atrophy
- Hyperplasia
- Inflammation
- Leukemia Mononuclear
- Adenoma
- Hyperplasia
- Mild
- Moderate
- Moderate
- Chronic, Mild
- Moderate
- Minimal
- Basal Cell, Minimal
- Minimal
- Moderate
- Suppurative, Minimal
- [Leukemia Mononuclear TGLs = 1-14]
- Bilateral, Interstit Cell
- [Adenoma TGLs = 2-9]
- C Cell

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	207	TMT:	3
		DOSE:	16 PPM

SEX:	Male
DISP:	Moribund Sacrifice

DAY ON TEST:	684
HISTO:	48287

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 208	TMT: 3	SEX: Male	DAY ON TEST: 523
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Chronic, Moderate
* Liver	Angiectasis	Mild
	Basophilic Focus	
	Vacuolization Cytoplasmic	Moderate
	[Basophilic Focus TGLs = 2-6]	
* Nose	Olfactory Epi	Moderate
* Pituitary Gland	Pars Distalis	
	[Adenoma TGLs = 1-10]	
* Preputial Gland	Inflammation	Chronic Active, Minimal
* Prostate	Inflammation	Suppurative, Mild
* Thyroid Gland	Follicular Cel	Moderate
	Hyperplasia	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 209 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Intestine Large, Rectum Adenoma
- [Adenoma TGLs = 1-14]
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- Clear Cell Focus
- Mixed Cell Focus
- * Nose Olfactory Epi Atrophy Moderate
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
- * Preputial Gland Inflammation Chronic Active, Mild
- * Prostate Inflammation Suppurative, Minimal
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 2-9]
- * Thyroid Gland C Cell Hyperplasia Marked

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 210 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 497 HISTO: 48290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla [Pheochromocytoma Benign TGLs = 4-7] Pheochromocytoma Benign
- * Brain Hemorrhage Mild
- * Kidney Nephropathy Chronic, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]
- * Prostate Inflammation Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 211 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 48291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lymph Node, Bronchial Hyperplasia Lymphoid, Moderate
[Hyperplasia TGLs = 1-14]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
Oral Mucosa Squamous Cell Carcinoma
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
- * Prostate Inflammation Suppurative, Marked
- * Spleen Hematopoietic Cell Proliferation Mild
- * Stomach, Forestomach Erosion Moderate
Hyperplasia Squamous, Mild
[Erosion TGLs = 5-10]
[Hyperplasia TGLs = 5-10]
- * Testes Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 211 **TMT:** 3
 DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 48291

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 212 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 684
HISTO: 48292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Salivary Glands
- * Thymus
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Seminal Vesicle
- * Trachea
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Preputial Gland
- * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Leukemia Mononuclear Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- * Lung Inflammation Leukemia Mononuclear Mild
[Inflammation TGLs = 2,3,4-4+5+14]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
- * Prostate Inflammation Suppurative, Mild
- * Skin Keratoacanthoma
- * Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-14]
- * Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 8-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 212 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 684
HISTO: 48292

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 213 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 582
HISTO: 48293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Marked
 - [Nephropathy TGLs = 2-7]
- * Liver Vacuolization Cytoplasmic Marked
- * Nose Atrophy Moderate
 - Olfactory Epi Hyperplasia
 - Respirat Epith Hyperplasia
 - Olfactory Epi Basal Cell, Minimal
- * Pituitary Gland Adenoma Moderate
 - [Adenoma TGLs = 3-10]
- * Prostate Inflammation Suppurative, Mild
- * Stomach, Forestomach Ulcer Moderate
 - [Ulcer TGLs = 1-10]
- * Testes Adenoma
- * Thyroid Gland Hyperplasia Mild
 - Interstit Cell
 - C Cell

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 214 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Marked
- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
 - [Nephropathy TGLs = 4-7]
- * Liver Basophilic Focus
 - Clear Cell Focus
 - Eosinophilic Focus
 - Hepatodiaphragmatic Nodule Marked
- Mesentery Necrosis Moderate
 - [Necrosis TGLs = 5-14]
- * Nose Respirat Epith Hyperplasia Mild
 - Inflammation Chronic Active, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
 - [Adenoma TGLs = 1-10]
- * Preputial Gland Inflammation Chronic Active, Minimal
- * Prostate Inflammation Suppurative, Mild
- * Testes Bilateral, Interstit Cell Adenoma
 - [Adenoma TGLs = 2-9+15]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 214 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48294

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicular Cel

Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 215 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Pheochromocytoma Benign
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Moderate
- * Larynx Foreign Body
- * Liver Basophilic Focus
- * Nose Foreign Body
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Olfactory Epi Inflammation Chronic Active, Minimal
- Olfactory Epi Metaplasia Respiratory, Moderate
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Hyperplasia Mild
- * Prostate Inflammation Suppurative, Mild
- * Testes Bilateral, Interstit Cell Adenoma
- [Adenoma TGLs = 1,2-9+14]
- * Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 216 TMT: 3 SEX: Male DAY ON TEST: 677
 DOSE: 16 PPM DISP: Natural Death HISTO: 48296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

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

* Adrenal Medulla [Pheochromocytoma Benign TGLs = 2-7]	Pheochromocytoma Benign	
* Brain	Compression	Mild
* Eye Lens	Cataract	Moderate
* Heart Atrium [Thrombosis TGLs = 4-6]	Cardiomyopathy Thrombosis	Moderate Moderate
* Kidney	Nephropathy	Chronic, Moderate
* Liver	Basophilic Focus Necrosis	Mild
* Lymph Node, Mandibular	Hyperplasia	Lymphoid, Mild
* Nose Olfactory Epi Olfactory Epi	Atrophy Hyperplasia Inflammation	Moderate Basal Cell, Minimal Chronic Active, Minimal
* Pituitary Gland Pars Distalis [Adenoma TGLs = 1-10]	Adenoma	
* Preputial Gland	Inflammation	Chronic Active, Moderate
* Prostate	Inflammation	Suppurative, Mild
* Testes Germinal Epith	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 216 TMT: 3
 DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 677
HISTO: 48296

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 3-9]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Benign

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 217 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Minimal
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Clear Cell Focus
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
- Olfactory Epi Atrophy Moderate
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Olfactory Epi Metaplasia Respiratory, Minimal
- * Parathyroid Gland Hyperplasia Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Preputial Gland Inflammation Chronic Active, Moderate
- * Prostate Inflammation Suppurative, Mild
- * Skin Keratoacanthoma
- [Keratoacanthoma TGLs = 1-14]
- * Testes Bilateral, Interstit Cell Adenoma
- [Adenoma TGLs = 3-9]
- * Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 218 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-----------------------------------------------|--------------------------------|---------------|
| * Adrenal Medulla | Bilateral | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | [Leukemia Mononuclear TGLs = 2-6] | Leukemia Mononuclear | |
| * Lung | [Alveolar/Bronchiolar Carcinoma TGLs = 1-5] | Alveolar/Bronchiolar Carcinoma | |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | [Leukemia Mononuclear TGLs = 3-15] | Leukemia Mononuclear | |
| * Testes | Germinal Epith | Atrophy | Moderate |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 219 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Inflammation Suppurative, Mild
- Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- * Lung Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- Mesentery Necrosis Moderate
- [Necrosis TGLs = 2-14]
- * Nose Olfactory Epi Atrophy Moderate
- * Prostate Hyperplasia Mild
- Inflammation Suppurative, Mild
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-15]
- * Testes Bilateral, Interstit Cell Adenoma
- [Adenoma TGLs = 1-9]
- * Thyroid Gland Bilateral, C Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 220 TMT: 3 SEX: Male DAY ON TEST: 675
 DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Adrenal Medulla	Hyperplasia Pheochromocytoma Benign	Moderate
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Islets, Pancreatic	Hyperplasia	Moderate
* Kidney	Nephropathy	Chronic, Minimal
* Liver	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
Lymph Node Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-14]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-3]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-8]		
Mesentery	Necrosis	Moderate
[Necrosis TGLs = 1-15]		
* Nose	Olfactory Epi Metaplasia	Respiratory, Minimal
* Pancreas	Acinus Atrophy	Mild
* Pituitary Gland	Pars Distalis Adenoma	
[Adenoma TGLs = 3-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 220 TMT: 3
 DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 675
HISTO: 48300

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-14]		
* Testes	Adenoma	
[Adenoma TGLs = 6-9]	Interstit Cell	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 221 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 669
HISTO: 48301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Preputial Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Prostate
- * Thymus
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Salivary Glands
- * Thyroid Gland
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Seminal Vesicle
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Hyperplasia Marked
Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Brain Necrosis Mild
- * Heart Cardiomyopathy Mild
Leukemia Mononuclear
Thrombosis Moderate
- Atrium
- [Cardiomyopathy TGLs = 2-6]
- [Thrombosis TGLs = 10-6]
- * Kidney Inflammation Suppurative, Moderate
Leukemia Mononuclear
Nephropathy Chronic, Mild
- [Inflammation TGLs = 7-7]
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 6-6]
- * Lung Hemorrhage Mild
Leukemia Mononuclear
- [Hemorrhage TGLs = 3-15]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 9-3]
- * Lymph Node, Mesenteric Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 221 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 669
HISTO: 48301

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Respirat Epith	Hyperplasia	Mild
* Skin	[Squamous Cell Papilloma TGLs = 8-14]	Squamous Cell Papilloma	
* Spleen	[Leukemia Mononuclear TGLs = 5-14]	Leukemia Mononuclear	
* Stomach, Glandular	[Erosion TGLs = 11-10]	Erosion	Mild
* Testes	Bilateral, Interstit Cell [Adenoma TGLs = 4-9]	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 222	TMT: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLs = 1-14]		
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Mixed Cell Focus TGLs = 2-14]	Mixed Cell Focus	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 223	TMT: 3	SEX: Male	DAY ON TEST: 701
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------------------|----------------------------------|-------------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Adrenal Medulla | Hyperplasia | Mild |
| * Brain | Compression | Moderate |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Marked |
| [Nephropathy TGLs = 6-7] | | |
| * Liver | Necrosis | Mild |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| Alveolus | | |
| [Infiltration Cellular TGLs = 3-14] | | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 5-15] | | |
| * Nose | Atrophy | Minimal |
| Olfactory Epi | Hyperplasia | Minimal |
| Respirat Epith | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | Adenoma | |
| Pars Distalis | | |
| [Adenoma TGLs = 4-10] | | |
| * Skin | Basal Cell Adenoma | |
| [Basal Cell Adenoma TGLs = 1-15] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Testes | Adenoma | |
| Interstit Cell | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 223 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 48303

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 8-9]
* Thyroid Gland Follicular Cel Adenoma
C Cell Carcinoma
[Carcinoma TGLs = 2-2+3]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 224 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Seminal Vesicle
- * Trachea
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Preputial Gland
- * Stomach, Glandular
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Salivary Glands
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Adrenal Medulla
- * Heart
- * Islets, Pancreatic
- * Kidney
- * Liver
- [Leukemia Mononuclear TGLs = 4-6]
- * Nose
- * Pancreas
- * Pituitary Gland
- [Adenoma TGLs = 1-10]
- * Prostate
- * Skin
- [Basal Cell Adenoma TGLs = 2-14]
- * Spleen
- [Leukemia Mononuclear TGLs = 5-6]
- * Testes
- [Adenoma TGLs = 3-9]

- Hyperplasia
- Cardiomyopathy
- Hyperplasia
- Nephropathy
- Basophilic Focus
- Clear Cell Focus
- Leukemia Mononuclear
- Hyperplasia
- Inflammation
- Metaplasia
- Atrophy
- Adenoma
- Inflammation
- Basal Cell Adenoma
- Leukemia Mononuclear
- Adenoma

- Moderate
- Minimal
- Mild
- Chronic, Moderate
- Basal Cell, Minimal
- Chronic Active, Mild
- Respiratory, Mild
- Mild
- Suppurative, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 225 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 649
HISTO: 48305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum

OBSERVATIONS

- | | | |
|------------------------------------------|----------------------|----------------------|
| * Adrenal Cortex | Hyperplasia | Moderate |
| | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Bone Marrow | Leukemia Mononuclear | |
| * Heart | Cardiomyopathy | Mild |
| * Intestine Small, Jejunum | Adenoma | |
| [Adenoma TGLs = 10-15] | | |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 7,8-6+15] | | |
| * Lung | Alveolar Epith | Moderate |
| | Hyperplasia | |
| | Leukemia Mononuclear | |
| [Hyperplasia TGLs = 2-14] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear |
| [Leukemia Mononuclear TGLs = 9-17] | | |
| * Lymph Node, Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 4-18] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 225 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 649
HISTO: 48305

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Respirat Epith	Atrophy Hyperplasia	Mild Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Spleen	[Leukemia Mononuclear TGLs = 5,6-16]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell [Adenoma TGLs = 3-9]	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 226 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Larynx
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Mammary Gland
- * Seminal Vesicle
- * Thymus
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Skin
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Moderate
- * Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Clear Cell Focus
Eosinophilic Focus
Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-6]
- * Lung Alveolar Epith Hyperplasia Moderate
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
Mesentery Necrosis Moderate
[Necrosis TGLs = 4-14]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Adenoma
- * Prostate [Adenoma TGLs = 2-10] Inflammation Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 226 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48306

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen Leukemia Mononuclear
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 227 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
 - [Nephropathy TGLs = 3-7]
- * Liver Clear Cell Focus Mild
 - Vacuolization Cytoplasmic
- * Lung Alveolar Epith Hyperplasia Mild
 - Alveolar Epith Metaplasia Squamous, Mild
 - [Hyperplasia TGLs = 1-5]
 - [Metaplasia TGLs = 1-5]
- * Lymph Node, Mediastinal Hyperplasia Lymphoid, Mild
- * Nose Foreign Body Minimal
 - Glands, Respirat Epith Hyperplasia
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- * Prostate Inflammation Suppurative, Mild
- * Skin Subcut Tiss Histiocytic Sarcoma
 - [Histiocytic Sarcoma TGLs = 4-14]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Testes Interstit Cell Adenoma
 - [Adenoma TGLs = 2-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 228 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 589
HISTO: 48308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Thymus

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-6]
- * Lung Alveolar/Bronchiolar Adenoma
- Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Mild
- Respirat Epith Hyperplasia Mild
- * Pituitary Gland Hemorrhage Mild
- [Hemorrhage TGLs = 4-10]
- * Preputial Gland Inflammation Chronic Active, Mild
- * Prostate Inflammation Suppurative, Mild
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 2-14]
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 1-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 229 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Natural Death

DAY ON TEST: 485 HISTO: 48309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Heart
- * Lung
- * Parathyroid Gland
- * Skin
- * Testes
- * Urinary Bladder

- * Bone
- * Esophagus
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Spleen
- * Thymus

- * Bone Marrow
- * Eye
- * Kidney
- * Mammary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland

- * Brain
- * Harderian Gland
- * Larynx
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- * Adrenal Medulla Pheochromocytoma Benign
- * Liver Hepatodiaphragmatic Nodule
[Hepatodiaphragmatic Nodule TGLs = 3-14]
- * Lymph Node, Mediastinal Hemorrhage Moderate
- Mesentery Necrosis Moderate
[Necrosis TGLs = 4,5-15]
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
- * Prostate Inflammation Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 230 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart: Cardiomyopathy (Mild)
- * Kidney: Nephropathy (Chronic, Mild)
- * Larynx: Foreign Body
- * Liver: Clear Cell Focus, Leukemia Mononuclear
- * Lung: Alveolar Epith (Hyperplasia, TGLs = 4-15), Hyperplasia, Leukemia Mononuclear (Mild)
- * Lymph Node, Mesenteric: Leukemia Mononuclear
- * Nose: Respirat Epith (Hyperplasia, Minimal)
- * Pancreas: Acinus (Atrophy, Minimal)
- * Pituitary Gland: Pars Distalis (Adenoma, TGLs = 1-10)
- * Prostate: Inflammation (Suppurative, Mild)
- * Spleen: Leukemia Mononuclear (TGLs = 3-16)
- * Testes: Interstit Cell (Adenoma, TGLs = 2-14)
- * Thyroid Gland: C Cell (Adenoma)

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 231 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 516 HISTO: 48311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart
 - Atrium
 - [Cardiomyopathy TGLs = 3-6]
 - [Thrombosis TGLs = 2-6]
 Cardiomyopathy
Thrombosis
 Minimal
Moderate
- * Kidney
 - Nephropathy
 Nephropathy
 Chronic, Minimal
- * Liver
 - [Leukemia Mononuclear TGLs = 5-6]
 Leukemia Mononuclear
- * Lung
 - [Leukemia Mononuclear TGLs = 6-4+5]
 Leukemia Mononuclear
- * Nose
 - Inflammation
 Inflammation
 Chronic Active, Minimal
- * Pituitary Gland
 - Pars Distalis
 - [Adenoma TGLs = 7-10]
 Adenoma
- * Prostate
 - Inflammation
 Inflammation
 Suppurative, Minimal
- * Spleen
 - [Leukemia Mononuclear TGLs = 4-14]
 Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 232 TMT: 3 SEX: Male DAY ON TEST: 614
 DOSE: 16 PPM DISP: Natural Death HISTO: 48312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Respirat Epith	Accumulation, Hyaline Droplet Hyperplasia	Minimal Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1-16]		
* Spleen		Hemorrhage	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 232 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 614
HISTO: 48312

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hemorrhage TGLs = 5-15]

[Leukemia Mononuclear TGLs = 4,7-15]

* Stomach, Forestomach

Ulcer

Mild

* Testes

Interstit Cell

Adenoma

[Adenoma TGLs = 6-9]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 233 TMT: 3 SEX: Male DAY ON TEST: 570
DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
	[Adenoma TGLs = 3-6]		
* Kidney		Nephropathy	Chronic, Marked
* Liver		Clear Cell Focus Eosinophilic Focus	
* Nose	Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Inflammation	Suppurative, Mild
		Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 234	TMT: 3	SEX: Male	DAY ON TEST: 669
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia	Mild
* Brain	Compression	Moderate
* Eye	Cataract	Moderate
Lens		
[Cataract TGLs = 1-13]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Basophilic Focus	
* Nose	Accumulation, Hyaline Droplet	Minimal
Olfactory Epi	Atrophy	Mild
Olfactory Epi		
* Pituitary Gland	Adenoma	
Pars Distalis		
[Adenoma TGLs = 2-10]		
* Preputial Gland	Inflammation	Chronic Active, Mild
* Prostate	Inflammation	Suppurative, Minimal
* Testes	Adenoma	
Bilateral, Interstit Cell		
[Adenoma TGLs = 3-9]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 235	TMT: 3	SEX: Male	DAY ON TEST: 726
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Heart	Atrium	Cardiomyopathy	Mild
	[Thrombosis TGLs = 3-6]	Thrombosis	Marked
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Minimal
* Liver		Eosinophilic Focus Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung	Alveolar Epith	Hyperplasia Leukemia Mononuclear	Mild
	[Hyperplasia TGLs = 6-5]		
* Lymph Node, Mediastinal		Inflammation Leukemia Mononuclear	Chronic Active, Moderate
	[Leukemia Mononuclear TGLs = 4-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith Glands, Respirat Epith	Foreign Body Hyperplasia Hyperplasia Inflammation	Minimal Mild Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 235 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48315

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-14]		
* Stomach, Forestomach	Hyperplasia	Squamous, Mild
[Hyperplasia TGLs = 7-10]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLs = 1-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 236 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla [Pheochromocytoma Benign TGLs = 6-7] Pheochromocytoma Benign
- * Brain Compression Mild
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic [Carcinoma TGLs = 5-6] Carcinoma
- * Kidney Nephropathy Chronic, Moderate
- * Liver Basophilic Focus
Clear Cell Focus
Degeneration Cystic, Mild
Hematopoietic Cell Proliferation Mild
- Mesentery Necrosis Moderate
[Necrosis TGLs = 2,4-14+15]
- * Pituitary Gland Pars Distalis
[Adenoma TGLs = 7-10] Adenoma
- * Prostate Inflammation Suppurative, Minimal
- * Testes Interstit Cell
[Adenoma TGLs = 3-9] Adenoma
- * Thyroid Gland C Cell
[Adenoma TGLs = 1-3] Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 237 TMT: 3 SEX: Male DAY ON TEST: 730
 DOSE: 16 PPM DISP: Terminal Sacrifice HISTO: 48317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-------------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | Hyperplasia | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Islets, Pancreatic | Carcinoma | |
| [Carcinoma TGLs = 8-15] | | |
| * Kidney | Cyst | |
| [Cyst TGLs = 7-16] | Nephropathy | Chronic, Moderate |
| * Liver | Basophilic Focus | |
| [Leukemia Mononuclear TGLs = 6-6] | Leukemia Mononuclear | |
| * Lung | Hyperplasia | Moderate |
| Alveolar Epith | Leukemia Mononuclear | |
| * Mammary Gland | Galactocele | Marked |
| [Galactocele TGLs = 1-17] | | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 4-16] | | |
| * Nose | Glands, Respirat Epith | Hyperplasia |
| * Pituitary Gland | Pars Distalis | Adenoma |
| [Adenoma TGLs = 2-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 237 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48317

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 5-15]		
* Testes	Interstit Cell	Hyperplasia	Mild
	[Hyperplasia TGLs = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 238	TMT: 3	SEX: Male	DAY ON TEST: 696
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Epididymis		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
	[Leukemia Mononuclear TGLs = 6,9-7+14]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-15]		
* Nose	Respirat Epith	Hyperplasia	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 238 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 696
HISTO: 48318

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 4-6]	
* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLs = 3-9]	
* Thymus		Leukemia Mononuclear
Zymbal's Gland		Adenoma
	[Adenoma TGLs = 7-14]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 239 TMT: 3 SEX: Male DAY ON TEST: 504
 DOSE: 16 PPM DISP: Natural Death HISTO: 48319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
- * Bone Vacuolization Cytoplasmic Minimal
- * Bone [Osteosarcoma TGLs = 6-14+15] Osteosarcoma
- * Kidney [Infarct TGLs = 5-7] Infarct
- * Lung [Osteosarcoma TGLs = 2-4+5] Osteosarcoma Metastatic (Bone)
- Lymph Node Deep Cervical Hemorrhage Moderate
- [Hemorrhage TGLs = 4-16]
- Pleura Mesothelium Osteosarcoma Metastatic (Bone)
- [Osteosarcoma TGLs = 3-18]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Stomach, Forestomach Ulcer Minimal
- [Ulcer TGLs = 8-17]
- * Testes Interstit Cell Adenoma
- Interstit Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Bone Osteosarcoma
 CONTRIBUTORY CAUSE OF DEATH - Lung Osteosarcoma Bone

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 239 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 504
HISTO: 48319

ORGAN AND ACCOUNTABLE SITE STATUS

- Pleura Mesothelium Osteosarcoma Bone

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 240 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Angiectasis	Mild
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLs = 4-6]		
* Nose	Foreign Body	
	Inflammation	Chronic Active, Mild
* Pituitary Gland	Adenoma	
Pars Distalis		
[Adenoma TGLs = 2-10]		
* Preputial Gland	Inflammation	Chronic Active, Minimal
* Prostate	Inflammation	Suppurative, Mild
* Skin	Basal Cell Adenoma	
[Basal Cell Adenoma TGLs = 1-14]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Adenoma	
Bilateral, Interstit Cell		
[Adenoma TGLs = 3-9]		
* Thyroid Gland	Adenoma	
C Cell		
[Adenoma TGLs = 5-3]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 241 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 726 HISTO: 48321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Leukemia Mononuclear Mild
* Adrenal Medulla Hyperplasia Leukemia Mononuclear Pheochromocytoma Benign Mild
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Leukemia Mononuclear Mild
Atrium Thrombosis Marked
[Leukemia Mononuclear TGLs = 2-6]
[Thrombosis TGLs = 3-6]
* Kidney Nephropathy Chronic, Mild
[Nephropathy TGLs = 10-7]
* Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 8-6]
* Lung Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Foreign Body Moderate
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 241 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48321

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 9-10]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6,7-14]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLs = 11-10]		
* Testes	Interstitial Cell	Adenoma	Marked
	Germinal Epith	Atrophy	
	[Adenoma TGLs = 4-9]		
	[Atrophy TGLs = 5-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 242	TMT: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Ependymoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	[Nephropathy TGLs = 7-14]	Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
Mesentery	[Necrosis TGLs = 3-15]	Necrosis	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
	[Fibroma TGLs = 6,8-16+17]		
	[Keratoacanthoma TGLs = 5-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 242 TMT: 3
 DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48322

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 4,9-9]
* Thyroid Gland C Cell Carcinoma
[Carcinoma TGLs = 1-3]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 243 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
Pheochromocytoma Malignant
- [Pheochromocytoma Malignant TGLs = 4-14]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-6]
- * Lung Alveolar Epith Hyperplasia Moderate
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Hyperplasia Moderate
- * Prostate Inflammation Suppurative, Mild
- * Skin Subcut Tiss Fibrous Histiocytoma
- [Fibrous Histiocytoma TGLs = 1-15]
- * Spleen Leukemia Mononuclear
- * Testes Bilateral, Interstit Cell Adenoma
- [Adenoma TGLs = 2-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 244 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Seminal Vesicle
- * Thymus
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Skin
- * Thyroid Gland
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Clear Cell Focus Mixed Cell Focus
- * Lung Alveolar Epith Hyperplasia Moderate
- * Lymph Node, Bronchial Hyperplasia Lymphoid, Mild
[Hyperplasia TGLs = 1-3]
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
Mesentery Necrosis Moderate
[Necrosis TGLs = 2-14]
- * Nose Olfactory Epi Atrophy Moderate
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
- * Prostate Inflammation Suppurative, Mild
- * Spleen Hematopoietic Cell Proliferation Mild
- * Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 245 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla [Pheochromocytoma Malignant TGLs = 4-7] Pheochromocytoma Benign Pheochromocytoma Malignant
* Heart Cardiomyopathy Moderate
* Kidney [Nephropathy TGLs = 3-7] Cyst Nephropathy Chronic, Moderate
* Liver [Hepatocellular Adenoma TGLs = 2-14] Hepatocellular Adenoma
* Nose Olfactory Epi Atrophy Mild
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Adenoma
* Prostate Inflammation Suppurative, Mild
* Testes [Adenoma TGLs = 1,5-9] Bilateral, Interstit Cell Adenoma
* Thyroid Gland C Cell Hyperplasia Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 246 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Bilateral Pheochromocytoma Benign
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Marked
 - [Nephropathy TGLs = 2-7]
- * Liver Leukemia Mononuclear Mixed Cell Focus
 - [Leukemia Mononuclear TGLs = 3-6]
- * Nose Foreign Body
 - Respirat Epith Hyperplasia Mild
 - Glands, Respirat Epith Hyperplasia Mild
 - Olfactory Epi Hyperplasia Basal Cell, Minimal
 - Respirat Epith Inflammation Chronic Active, Moderate
 - Metaplasia Squamous, Minimal
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Adenoma
 - [Adenoma TGLs = 1-10]
- * Prostate Inflammation Suppurative, Mild
- * Spleen Hematopoietic Cell Proliferation Mild
- Leukemia Mononuclear
- * Testes Bilateral, Interstit Cell Adenoma
 - [Adenoma TGLs = 4-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 247 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 418
HISTO: 48327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
* Bone Marrow	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-6]		
* Islets, Pancreatic	Adenoma	
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	Chronic, Minimal
	Nephropathy	
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-6]		
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-4+5]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 8-15]		
* Pancreas	Leukemia Mononuclear	
* Pituitary Gland Pars Distalis	Adenoma	
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-10]		
* Spleen	Hemorrhage	Chronic, Mild
	Leukemia Mononuclear	
[Hemorrhage TGLs = 7-14]		
[Leukemia Mononuclear TGLs = 6-14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 247 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 418
HISTO: 48327

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes Interstit Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 248 TMT: 3 SEX: Male DAY ON TEST: 659
 DOSE: 16 PPM DISP: Natural Death HISTO: 48328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Larynx	* Lymph Node, Mediastinal
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

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

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hemorrhage	Chronic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 248 TMT: 3
DOSE: 16 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 659
HISTO: 48328

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hemorrhage TGLs = 2-15]
[Leukemia Mononuclear TGLs = 2,4-15]

Leukemia Mononuclear

* Stomach, Glandular
[Leukemia Mononuclear TGLs = 6-10]

Hyperplasia Mild

* Testes Interstit Cell

Cyst

* Thyroid Gland

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 249 TMT: 3 SEX: Male DAY ON TEST: 729
 DOSE: 16 PPM DISP: Terminal Sacrifice HISTO: 48329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * 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 | * Lymph Node, Mandibular |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|---------------------------|---------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Vacuolization Cytoplasmic | Mild |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 1-9] | | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 250 TMT: 3 DOSE: 16 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 632 HISTO: 48330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Seminal Vesicle
- * Thyroid Gland
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mediastinal
- * Preputial Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Testes

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Bone Marrow Erythroid Cell Hyperplasia Moderate
- * Heart Cardiomyopathy Moderate
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus Leukemia Mononuclear
- * Lung Alveolar Epith Hyperplasia Mild
[Hyperplasia TGLs = 5-14]
- Mesentery Necrosis Moderate
[Necrosis TGLs = 4-19]
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
- * Prostate Inflammation Suppurative, Minimal
- * Skin Subcut Tiss Fibroma Ulcer Marked
[Fibroma TGLs = 1-15+16+17+18]
[Ulcer TGLs = 2-15+16+18]
- * Spleen Hematopoietic Cell Proliferation Leukemia Mononuclear Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	250	TMT:	3
		DOSE:	16 PPM

SEX:	Male
DISP:	Moribund Sacrifice

DAY ON TEST:	632
HISTO:	48330

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 401 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 645 HISTO: 48181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------------------|-----------------------------|---------------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Brain | | Compression | Moderate |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | [Nephropathy TGLs = 4-7] | Nephropathy | Chronic, Moderate |
| * Liver | | Mixed Cell Focus | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Nose | Respirat Epith
Olfactory Epi | Hyperplasia
Metaplasia | Minimal
Respiratory, Minimal |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis
[Adenoma TGLs = 2-10] | Adenoma | |
| * Prostate | | Hyperplasia
Inflammation | Mild
Suppurative, Mild |
| * Skin | [Cyst Epithelial Inclusion TGLs = 1-14] | Cyst Epithelial Inclusion | Marked |
| * Testes | Interstitial Cell
[Adenoma TGLs = 3-9] | Adenoma | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 402 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- * Lung Alveolar Epith Hyperplasia Moderate
- [Leukemia Mononuclear TGLs = 2-4+5]
- Leukemia Mononuclear
- Lymph Node Pancreatic Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 6-14]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Minimal
- Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Leukemia Mononuclear
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 402 TMT: 5
 DOSE: 32 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48182

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 4-16]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1,5-14]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 403 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Kidney Cyst Nephropathy Chronic, Mild
- [Cyst TGLs = 2-7]
- * Liver Clear Cell Focus Degeneration Mixed Cell Focus Cystic, Mild
- * Lung Alveolar Epith Hyperplasia Minimal
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Preputial Gland Inflammation Chronic Active, Minimal
- * Prostate Inflammation Suppurative, Mild
- * Testes Interstit Cell Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 404 TMT: 5 SEX: Male DAY ON TEST: 565
 DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------------|-----------------------------------------------------------|-------------------------------------------|
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| [Basophilic Focus TGLs = 2-6] | | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia |
| | | Mild
Minimal
Basal Cell, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma |
| [Adenoma TGLs = 1-10] | | |
| * Prostate | Inflammation | Suppurative, Mild |
| * Stomach, Forestomach | Inflammation | Chronic, Mild |
| [Inflammation TGLs = 3-10] | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 405 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Seminal Vesicle
- * Stomach, Glandular
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Skin
- * Thymus
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Parathyroid Gland
- * Spleen
- * Trachea
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Salivary Glands
- * Stomach, Forestomach

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Islets, Pancreatic Carcinoma
- Hyperplasia Mild
- * Kidney Infarct
- Inflammation Suppurative, Mild
- Nephropathy Chronic, Moderate
- * Liver Basophilic Focus
- * Lymph Node, Mediastinal Hyperplasia Lymphoid, Mild
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]
- * Preputial Gland Inflammation Chronic Active, Minimal
- * Prostate Inflammation Chronic Active, Marked
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 1-9]
- * Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	405	TMT:	5
		DOSE:	32 PPM

SEX:	Male
DISP:	Terminal Sacrifice

DAY ON TEST:	730
HISTO:	48185

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Inflammation

Chronic, Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 406 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 713 HISTO: 48186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Skin
- * Thymus
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Preputial Gland
- * Spleen
- * Thyroid Gland
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Seminal Vesicle
- * Testes
- * Urinary Bladder

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Bone [Hyperostosis TGLs = 7-14] Hyperostosis Moderate
- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lymph Node, Bronchial [Hyperplasia TGLs = 2-15] Hyperplasia Lymphoid, Mild
- * Mammary Gland [Galactocele TGLs = 5-9] Galactocele Marked
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Olfactory Epi Hyperplasia Minimal
Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
- * Prostate Inflammation Suppurative, Mild
- * Stomach, Glandular Erosion Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 406 TMT: 5
 DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 713
HISTO: 48186

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLs = 6-10]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 407 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Natural Death

DAY ON TEST: 703 HISTO: 48187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Bilateral Leukemia Mononuclear
- * Heart Pheochromocytoma Benign
- * Islets, Pancreatic Cardiomyopathy Mild
- * Kidney Leukemia Mononuclear
- * Liver Carcinoma
- [Leukemia Mononuclear TGLs = 5-6] Nephropathy Chronic, Moderate
- * Lung Leukemia Mononuclear
- * Lymph Node, Bronchial Angiectasis Marked
- [Angiectasis TGLs = 3-14]
- * Nose Foreign Body
- Respirat Epith Hyperplasia Moderate
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Glands, Respirat Epith Hyperplasia Moderate
- Inflammation Chronic Active, Mild
- Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 4-10]
- * Prostate Inflammation Suppurative, Mild
- * Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 407 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 703
HISTO: 48187

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGLs 1 REPLACEAND 2 = NCL (No Corresponding Lesion)

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 408 TMT: 5 SEX: Male DAY ON TEST: 691
 DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Brain Compression Mild
- * Eye Lens
[Cataract TGLs = 1-13] Cataract Moderate
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mandibular Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
- * Prostate Inflammation Suppurative, Minimal
- * Skin Subcut Tiss Osteosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 408 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 691
HISTO: 48188

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	[Osteosarcoma TGLs = 2-15]	Hemorrhage Leukemia Mononuclear	Chronic, Marked
	[Hemorrhage TGLs = 6-14] [Leukemia Mononuclear TGLs = 5-14]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 7-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 409	TMT: 5	SEX: Male	DAY ON TEST: 589
	DOSE: 32 PPM	DISP: Moribund Sacrifice	HISTO: 48189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* 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, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLs = 4-7]		
* Liver		Vacuolization Cytoplasmic	Marked
* Lung		Hemorrhage	Mild
* Nose	Respirat Epith Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia	Mild Mild Basal Cell, Mild Chronic Active, Mild Respiratory, Minimal
* Pituitary Gland	Olfactory Epi Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLs = 5-10]		
* Testes	Interstitial Cell	Adenoma	
	[Adenoma TGLs = 3-9]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 410 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Heart Cardiomyopathy Moderate
* Kidney Nephropathy Chronic, Mild
* Larynx Foreign Body Metaplasia Squamous, Moderate
* Liver Basophilic Focus Clear Cell Focus
* Nose Respirat Epith Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Minimal
Olfactory Epi Metaplasia Basal Cell, Minimal
* Pancreas Acinus Atrophy Respiratory, Mild
* Pituitary Gland Pars Distalis Adenoma Mild
[Adenoma TGLs = 2-10]
* Preputial Gland Adenoma Mild
[Adenoma TGLs = 1-14]
* Prostate Hyperplasia Mild
Inflammation Suppurative, Mild
* Spleen Hematopoietic Cell Proliferation Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 411 TMT: 5 SEX: Male DAY ON TEST: 729
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia Leukemia Mononuclear	Mild
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
* Heart	Atrium	Thrombosis	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst Nephropathy	Chronic, Moderate
	[Nephropathy TGLs = 6-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
* Nose	Olfactory Epi Glands, Respirat Epith Olfactory Epi	Atrophy Hyperplasia Hyperplasia	Moderate Minimal Basal Cell, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 2-9+15]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 411 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48191

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Skin	Ulcer	Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-14]		
* Testes	Bilateral, Interstit Cell Adenoma Atrophy	Moderate
[Adenoma TGLs = 3-9]		
[Atrophy TGLs = 7-9]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	412	TMT:	5	SEX:	Male	DAY ON TEST:	607
		DOSE:	32 PPM	DISP:	Moribund Sacrifice	HISTO:	48192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

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

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	Moderate
* Kidney		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
	[Leukemia Mononuclear TGLs = 11-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 12-6]		
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 3,4,5-5+15+16]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-17]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 13,14-19+20]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 412	TMT: 5	SEX: Male	DAY ON TEST: 607
	DOSE: 32 PPM	DISP: Moribund Sacrifice	HISTO: 48192

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
Oral Mucosa		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6-14+19]		
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7,8,9-18]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLs = 16-10]		
* Testes	Interstit Cell	Hyperplasia	Mild
	[Hyperplasia TGLs = 10-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 15-3]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 413 TMT: 5 SEX: Male DAY ON TEST: 729
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* 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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLs = 5-7]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-14]		
* Nose	Olfactory Epi	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLs = 3-9]		
	[Atrophy TGLs = 4-9]		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLs = 2-3]		

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 414 TMT: 5 SEX: Male DAY ON TEST: 627
DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney	Transit Epithe	Infarct	
	[Infarct TGLs = 8-15+16+17]		
* Liver		Hematopoietic Cell Proliferation	Mild
		Mixed Cell Focus	
	[Hematopoietic Cell Proliferation TGLs = 6-6]		
	[Mixed Cell Focus TGLs = 7-14]		
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
	[Infiltration Cellular TGLs = 4-14]		
* Lymph Node, Bronchial		Hemorrhage	Moderate
	[Hemorrhage TGLs = 2-17]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 414 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 627
HISTO: 48194

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hematopoietic Cell Proliferation TGLs = 5-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Kidney Transit Epithe Infarct
 CONTRIBUTORY CAUSE OF DEATH - Spleen Hematopoietic Cell Proliferation

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 415 TMT: 5 SEX: Male DAY ON TEST: 729
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLs = 4-14]		
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2,3-14]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 415 TMT: 5
 DOSE: 32 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48195

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 5-9]
* Thyroid Gland C Cell Hyperplasia Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 416 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 654 HISTO: 48196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Bone * Bone Marrow * Epididymis
* Esophagus * Eye * Harderian Gland * Intestine Large, Cecum
* Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum
* Intestine Small, Jejunum * Larynx * Lung * Lymph Node, Mesenteric
* Parathyroid Gland * Preputial Gland * Salivary Glands * Seminal Vesicle
* Skin * Spleen * Stomach, Forestomach * Thymus
* Trachea * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Islets, Pancreatic Adenoma
* Kidney Nephropathy Chronic, Mild
* Liver Clear Cell Focus
Lymph Node Deep Cervical Hemorrhage Moderate
[Hemorrhage TGLs = 1-14]
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Foreign Body Mild
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Hemorrhage Marked
[Hemorrhage TGLs = 2-10]
* Prostate Inflammation Suppurative, Mild
* Stomach, Glandular Ulcer Moderate
[Ulcer TGLs = 3-10]
* Testes Interstit Cell Hyperplasia Minimal
* Thyroid Gland C Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 416 **TMT:** 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 654
HISTO: 48196

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Hemorrhage

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 417 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Pheochromocytoma Benign Mild
* Heart Cardiomyopathy Moderate
* Kidney Nephropathy Chronic, Moderate
* Liver Clear Cell Focus Eosinophilic Focus Vacuolization Cytoplasmic Mild
[Vacuolization Cytoplasmic TGLs = 2-6]
* Lung Alveolar Epith Hyperplasia Mild
* Nose Olfactory Epi Atrophy Foreign Body Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Moderate
Necrosis Mild
* Pituitary Gland Olfactory Epi Adenoma
[Adenoma TGLs = 1-10]
* Prostate Hyperplasia Mild
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]
* Thyroid Gland C Cell Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 418 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain | | Compression | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-6] | | |
| * Lung | Alveolar Epith | Hyperplasia
Leukemia Mononuclear | Mild |
| * Nose | Olfactory Epi
Respirat Epith
Olfactory Epi
Olfactory Epi | Atrophy
Hyperplasia
Hyperplasia
Metaplasia | Moderate
Mild
Basal Cell, Minimal
Respiratory, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Prostate | | Inflammation | Suppurative, Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3,4-15] | | |
| * Testes | Interstitial Cell | Adenoma | |
| | [Adenoma TGLs = 2-9] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 418 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48198

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 419 TMT: 5 SEX: Male DAY ON TEST: 591
 DOSE: 32 PPM DISP: Natural Death HISTO: 48199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Intestine Large, Cecum	* Intestine Small, Ileum
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INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Mild
	[Cataract TGLs = 3-13]		
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 419 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 591
HISTO: 48199

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Hemorrhage	Marked
[Hemorrhage TGLs = 4-10]		
* Prostate	Hyperplasia	Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-14]		
* Testes	Interstit Cell	Mild
* Thyroid Gland	C Cell	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Hemorrhage

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 420 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 633 HISTO: 48200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Atrium Cardiomyopathy Moderate
Thrombosis Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Inflammation Chronic Active, Mild
- * Lymph Node, Mediastinal Hyperplasia Lymphoid, Moderate
[Hyperplasia TGLs = 3-3]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
- * Skin Subcut Tiss Fibroma
- [Fibroma TGLs = 1-15+16]
- * Spleen Hematopoietic Cell Proliferation Moderate
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 4-9]
- * Thyroid Gland C Cell Hyperplasia Mild
- Tongue Squamous Cell Papilloma
[Squamous Cell Papilloma TGLs = 2-14]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	420	TMT:	5
		DOSE:	32 PPM

SEX:	Male
DISP:	Moribund Sacrifice

DAY ON TEST:	633
HISTO:	48200

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 421 TMT: 5 SEX: Male DAY ON TEST: 672
 DOSE: 32 PPM DISP: Natural Death HISTO: 48201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Foreign Body	
	Olfactory Epi	Hyperplasia	Moderate
	Respirat Epith	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Inflammation	Chronic Active, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Prostate		Metaplasia	Respiratory, Moderate
		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 422	TMT: 5	SEX: Male	DAY ON TEST: 543
	DOSE: 32 PPM	DISP: Natural Death	HISTO: 48202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear	
		Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 422 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 543
HISTO: 48202

ORGAN AND ACCOUNTABLE SITE STATUS

<ul style="list-style-type: none"> * Pituitary Gland [Leukemia Mononuclear TGLs = 3-10] * Prostate * Spleen [Hemorrhage TGLs = 4-16] [Leukemia Mononuclear TGLs = 5,6-15] * Stomach, Forestomach * Thymus * Urinary Bladder 	<ul style="list-style-type: none"> Olfactory Epi 	<ul style="list-style-type: none"> Hyperplasia Leukemia Mononuclear Inflammation Hemorrhage Leukemia Mononuclear Hyperplasia Leukemia Mononuclear Leukemia Mononuclear 	<ul style="list-style-type: none"> Basal Cell, Mild Suppurative, Mild Moderate Squamous, Mild
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PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 423 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 698
HISTO: 48203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------------------------------------------|---------------------------------------------------------|----------------------------------------------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia
Metaplasia | Minimal
Minimal
Basal Cell, Mild
Respiratory, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Skin | Subcut Tiss
[Fibroma TGLs = 1-14+15+16] | Fibroma | |
| * Testes | Bilateral, Interstit Cell
[Adenoma TGLs = 2-9] | Adenoma | |
| * Thyroid Gland | C Cell | Adenoma | |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 424 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 579
HISTO: 48204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Leukemia Mononuclear
- * Kidney Infarct
Leukemia Mononuclear
Nephropathy Chronic, Mild
- [Infarct TGLs = 11-7]
- [Leukemia Mononuclear TGLs = 10-7]
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 9-6]
- * Lung Leukemia Mononuclear
- Lymph Node Deep Cervical
Pancreatic Leukemia Mononuclear
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-14]
- [Leukemia Mononuclear TGLs = 13-17]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 12-16]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 424	TMT: 5	SEX: Male	DAY ON TEST: 579
	DOSE: 32 PPM	DISP: Moribund Sacrifice	HISTO: 48204

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia Inflammation Cyst	Mild Basal Cell, Minimal Chronic Active, Moderate
* Preputial Gland [Cyst TGLs = 1-9]			
* Spleen [Hemorrhage TGLs = 7,8-15+16] [Leukemia Mononuclear TGLs = 5,6-15]		Hemorrhage Leukemia Mononuclear	Chronic, Marked
* Testes [Adenoma TGLs = 4-9]	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 425 TMT: 5 SEX: Male DAY ON TEST: 702
 DOSE: 32 PPM DISP: Natural Death HISTO: 48205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

* Intestine Large, Cecum	* Intestine Large, Colon
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Complex	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy Leukemia Mononuclear	Marked
* Kidney	Atrium	Thrombosis	Moderate
	[Nephropathy TGLs = 6-7]	Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-6]		
* Lung		Leukemia Mononuclear	
* Nose	Olfactory Epi Respirat Epith Glands, Respirat Epith	Atrophy Hyperplasia Hyperplasia	Moderate Mild Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Hyperplasia Inflammation	Mild Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 425 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 702
HISTO: 48205

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	[Cyst Epithelial Inclusion TGLs = 1,2-15+16]	Cyst Epithelial Inclusion	Marked
* Spleen	[Leukemia Mononuclear TGLs = 3-14+4,5-15]	Leukemia Mononuclear	
* Testes	[Adenoma TGLs = 8-9]	Bilateral, Interstit Cell Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 426 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 523 HISTO: 48206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Bronchial Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Inflammation Chronic Active, Mild
- * Pancreas Acinus Atrophy Marked
- * Pituitary Gland Pars Distalis Adenoma
- * Prostate Inflammation Suppurative, Mild
- * Spleen Hematopoietic Cell Proliferation Mild
Leukemia Mononuclear
- * Testes [Leukemia Mononuclear TGLs = 2-14]
Interstitial Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 427 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 701 HISTO: 48207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Eye * Intestine Large, Rectum * Islets, Pancreatic * Seminal Vesicle * Stomach, Glandular * Urinary Bladder * Bone Marrow * Harderian Gland * Intestine Small, Duodenum * Larynx * Skin * Testes * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Parathyroid Gland * Spleen * Thymus * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Salivary Glands * Stomach, Forestomach * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Liver Basophilic Focus
* Lung Alveolar Epith Hyperplasia Mild
* Lymph Node, Mesenteric [Hyperplasia TGLs = 2-14] Hyperplasia Lymphoid, Marked
* Nose Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
Olfactory Epi Hyperplasia Moderate
Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
Olfactory Epi Metaplasia Respiratory, Moderate
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
* Preputial Gland Inflammation Chronic Active, Minimal
* Prostate Inflammation Suppurative, Mild
* Thyroid Gland C Cell Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 427 **TMT:** 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 701
HISTO: 48207

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	428	TMT:	5	SEX:	Male	DAY ON TEST:	680
		DOSE:	32 PPM	DISP:	Moribund Sacrifice	HISTO:	48208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Leukemia Mononuclear Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
	Atrium	Leukemia Mononuclear Thrombosis	Moderate
* Kidney		Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 1-15]		
* Nose	Glands, Respirat Epith Olfactory Epi Olfactory Epi	Hyperplasia Hyperplasia Metaplasia	Minimal Basal Cell, Minimal Respiratory, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Hyperplasia Inflammation	Mild Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 428 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 680
HISTO: 48208

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-14]		
* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 429	TMT: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Marked
* Nose	Respirat Epith Glands, Respirat Epith Olfactory Epi Olfactory Epi	Hyperplasia Hyperplasia Hyperplasia Metaplasia	Mild Minimal Basal Cell, Mild Respiratory, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLs = 1-10]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 430 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
[Nephropathy TGLs = 5-7]
- * Liver Clear Cell Focus
Mixed Cell Focus
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Moderate
- * Mammary Gland Adenoma
[Adenoma TGLs = 6-16]
- Mesentery Necrosis Moderate
[Necrosis TGLs = 4-14]
- * Nose Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
- * Preputial Gland Inflammation Chronic Active, Minimal
- * Prostate Hyperplasia Mild
Inflammation Suppurative, Mild
- * Skin Cyst Epithelial Inclusion Marked
[Cyst Epithelial Inclusion TGLs = 1-14]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 430 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48210

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes Interstit Cell
[Adenoma TGLs = 3-9]

Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 431 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Natural Death

DAY ON TEST: 259 HISTO: 48211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Kidney
- * Parathyroid Gland
- * Salivary Glands
- * Stomach, Glandular
- * Trachea
- * Adrenal Medulla
- * Epididymis
- * Heart
- * Larynx
- * Pituitary Gland
- * Seminal Vesicle
- * Testes
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Lymph Node, Mediastinal
- * Preputial Gland
- * Skin
- * Thymus
- * Bone Marrow
- * Eye
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Prostate
- * Spleen
- * Thyroid Gland

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- * Liver [Necrosis TGLs = 1-6] Necrosis Moderate
- * Lung Thrombosis Mild
- * Nose Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Duct Necrosis Moderate
- * Stomach, Forestomach [Ulcer TGLs = 2-14] Ulcer Minimal

PRIMARY CAUSE OF DEATH - Liver Necrosis
 CONTRIBUTORY CAUSE OF DEATH - Lung Thrombosis
 - Pancreas Duct Necrosis

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 432	TMT: 5	SEX: Male	DAY ON TEST: 595
	DOSE: 32 PPM	DISP: Natural Death	HISTO: 48212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

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

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Moderate
* Brain	Hemorrhage	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Hemorrhage	Moderate
	Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 3-6]	
* Lung	Hemorrhage	Mild
Mesentery	Necrosis	Moderate
	[Necrosis TGLs = 5-14]	
* Nose	Foreign Body Inflammation	Chronic Active, Mild
* Pituitary Gland	Hemorrhage	Marked
	[Hemorrhage TGLs = 2-10]	
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]	
* Testes	Interstitial Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 432 TMT: 5
 DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 595
HISTO: 48212

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 6-9]

PRIMARY CAUSE OF DEATH - Pituitary Gland Hemorrhage

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 433 TMT: 5 SEX: Male DAY ON TEST: 509
DOSE: 32 PPM DISP: Natural Death HISTO: 48213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Brain	Compression Hemorrhage	Mild Mild
* Kidney	Nephropathy	Chronic, Minimal
* Pituitary Gland [Adenoma TGLs = 2-10] Pars Distalis	Adenoma	
* Prostate	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 434 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 558 HISTO: 48214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
* Adrenal Medulla Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Leukemia Mononuclear
* Lung Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Nose Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
* Pituitary Gland Pars Distalis Adenoma
* Spleen Leukemia Mononuclear TGLs = 1-14]
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 435 TMT: 5 SEX: Male DAY ON TEST: 698
 DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear Vacuolization Cytoplasmic Mild
- * Adrenal Medulla Hyperplasia Minimal
Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-17]
- * Heart Cardiomyopathy Mild
Leukemia Mononuclear
- * Islets, Pancreatic Adenoma
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 9-6]
- * Lung Leukemia Mononuclear
Lymph Node Pancreatic
Deep Cervical
[Leukemia Mononuclear TGLs = 6-14]
[Leukemia Mononuclear TGLs = 10-16]
- * Lymph Node, Mesenteric Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 11-8]
- Mesentery Leukemia Mononuclear Moderate
Necrosis
[Leukemia Mononuclear TGLs = 3-15]
[Necrosis TGLs = 4-16]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 435 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 698
HISTO: 48215

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Respirat Epith Glands, Respirat Epith Olfactory Epi	Degeneration Hyperplasia Hyperplasia Hyperplasia Inflammation	Minimal Mild Mild Basal Cell, Minimal Chronic Active, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7,8-14]		
* Testes	Interstit Cell	Hyperplasia	Mild
	[Hyperplasia TGLs = 5-9]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]		
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 436 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 645 HISTO: 48216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Thrombosis
 - Vacuolization Cytoplasmic
 Minimal
Mild
Mild
- * Adrenal Medulla
 - Hyperplasia
 Minimal
- * Heart
 - Cardiomyopathy
 Mild
- * Kidney
 - Nephropathy
 Chronic, Moderate
 - [Nephropathy TGLs = 3-7]
- * Liver
 - Necrosis
 Moderate
 - [Necrosis TGLs = 2-6]
- * Lymph Node, Mediastinal
 - Hyperplasia
 Lymphoid, Marked
- * Lymph Node, Mesenteric
 - Hyperplasia
 - Necrosis
 Lymphoid, Marked
Moderate
 - [Necrosis TGLs = 5-14]
- * Nose
 - Foreign Body
 - Respirat Epith
 - Glands, Respirat Epith
 - Olfactory Epi
 - Olfactory Epi
 - Olfactory Epi
 Hyperplasia
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Necrosis
Moderate
Mild
Basal Cell, Minimal
Chronic Active, Mild
Respiratory, Moderate
Mild
- * Pituitary Gland
 - Pars Distalis
 Adenoma
- * Prostate
 - Inflammation
 Suppurative, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 436 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 48216

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLs = 4-9] Interstit Cell Adenoma
* Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Liver Necrosis

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 437 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 670 HISTO: 48217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Bone Marrow Leukemia Mononuclear
* Heart Leukemia Mononuclear
* Kidney Nephropathy Chronic, Mild
* Liver Leukemia Mononuclear
* Lung Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2,3-4]
Lymph Node Pancreatic Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-14]
* Lymph Node, Bronchial Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 7-15]
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
* Pancreas Acinus Atrophy Moderate
* Pituitary Gland Pars Distalis Hyperplasia Mild
[Hyperplasia TGLs = 1-10]
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-14]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 437 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 670
HISTO: 48217

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLs = 6-9] Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 438 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 706 HISTO: 48218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Brain Compression Moderate Hemorrhage Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate [Nephropathy TGLs = 4-7]
* Liver Leukemia Mononuclear [Leukemia Mononuclear TGLs = 3-6]
* Lung Alveolar Epith Hyperplasia Mild
* Lymph Node, Mesenteric Leukemia Mononuclear
* Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal Respirat Epith Hyperplasia Mild Glands, Respirat Epith Hyperplasia Mild Olfactory Epi Hyperplasia Basal Cell, Minimal Inflammation Chronic Active, Mild Metaplasia Respiratory, Minimal
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 1-10]
* Prostate Inflammation Suppurative, Mild
* Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 438 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 706 HISTO: 48218

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLs = 2-9] Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 439 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 593 HISTO: 48219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- | | | | |
|-------------------|--------------------------------------------|----------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain | | Compression | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | [Hepatodiaphragmatic Nodule TGLs = 1-14] | Hepatodiaphragmatic Nodule | Marked |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Hyperplasia | Mild |
| | | Inflammation | Chronic Active, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 440 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
* Adrenal Medulla Hyperplasia Minimal
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Liver Eosinophilic Focus Leukemia Mononuclear
[Eosinophilic Focus TGLs = 7-6]
[Leukemia Mononuclear TGLs = 3-6]
* Lung Leukemia Mononuclear
* Lymph Node, Mediastinal Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 9-15]
* Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
* Pancreas Leukemia Mononuclear
* Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 440 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48220

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-10]		
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4,5-14]		
* Stomach, Forestomach	Hyperplasia Ulcer	Squamous, Mild Mild
[Ulcer TGLs = 8-10]		
* Testes	Bilateral, Interstit Cell Adenoma	
[Adenoma TGLs = 6-9]		
* Thyroid Gland	C Cell Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 441 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 565 HISTO: 48221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Minimal
* Bone Marrow Erythroid Cell Hyperplasia Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Nose Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
* Pancreas Acinus Atrophy Moderate
* Pituitary Gland Pars Distalis Hyperplasia Mild
* Preputial Gland Inflammation Chronic Active, Minimal
* Skin Basal Cell Adenoma Ulcer Marked
[Basal Cell Adenoma TGLs = 1-14]
* Spleen Hematopoietic Cell Proliferation Moderate
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 3-9]

PRIMARY CAUSE OF DEATH - Skin Basal Cell Adenoma
CONTRIBUTORY CAUSE OF DEATH - Skin Ulcer

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 442 TMT: 5 SEX: Male DAY ON TEST: 729
DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Bone Marrow | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Mammary Gland |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------------|---------------------------|-------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Minimal |
| * Adrenal Medulla | Hyperplasia | Minimal |
| * Brain | Compression | Marked |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Moderate |
| * Liver | Basophilic Focus | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 3,4-14+16] | | |
| * Nose | Olfactory Epi | Basal Cell, Mild |
| | Respirat Epith | Minimal |
| | Olfactory Epi | Respiratory, Mild |
| * Pancreas | Acinus | Mild |
| * Pituitary Gland | Pars Distalis | |
| [Adenoma TGLs = 1-10] | | |
| * Prostate | Inflammation | Suppurative, Mild |
| * Skin | Keratoacanthoma | |
| [Keratoacanthoma TGLs = 2-14] | | |
| * Testes | Interstitial Cell | |
| | Germinal Epith | Moderate |
| [Adenoma TGLs = 5-9] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	442	TMT:	5
		DOSE:	32 PPM

SEX:	Male
DISP:	Terminal Sacrifice

DAY ON TEST:	729
HISTO:	48222

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLs = 6-9]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 443	TMT: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Mammary Gland
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
--------------------------	---------------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	[Vacuolization Cytoplasmic TGLs = 3-6]	Vacuolization Cytoplasmic	Mild
* Lymph Node, Bronchial		Angiectasis	Mild
	[Angiectasis TGLs = 1-3]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 444 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
Leukemia Mononuclear
Vacuolization Cytoplasmic
Mild
- * Adrenal Medulla
Hyperplasia
Leukemia Mononuclear
Mild
- * Brain
Necrosis
Mild
- * Heart
Cardiomyopathy
Minimal
- * Islets, Pancreatic
Adenoma
- * Kidney
Nephropathy
Chronic, Moderate
- * Liver
Basophilic Focus
Leukemia Mononuclear
- * Lung
[Leukemia Mononuclear TGLs = 4-6]
Alveolar Epith
Hyperplasia
Leukemia Mononuclear
Mild
- * Nose
[Hyperplasia TGLs = 1-14]
Respirat Epith
Glands, Respirat Epith
Olfactory Epi
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Mild
Minimal
Basal Cell, Minimal
Chronic Active, Mild
Respiratory, Mild
- * Pituitary Gland
Pars Distalis
Adenoma
- * Preputial Gland
[Adenoma TGLs = 2-10]
Inflammation
Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 444 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48224

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-15]		
* Testes	Adenoma	
[Adenoma TGLs = 5-9]		
* Thyroid Gland	Adenoma	
C Cell		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 445 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 726 HISTO: 48225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild Vacuolization Cytoplasmic Mild
* Adrenal Medulla Hyperplasia Mild
* Brain Compression Mild
Coagulating Gland Inflammation TGLs = 9-16 Suppurative, Moderate
* Heart Cardiomyopathy Minimal
* Islets, Pancreatic Adenoma
* Kidney Cyst Chronic, Marked
Nephropathy TGLs = 4-7
* Liver Basophilic Focus Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-6]
* Lung Leukemia Mononuclear
Mesentery Necrosis Moderate
[Necrosis TGLs = 6-17]
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 445 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48225

ORGAN AND ACCOUNTABLE SITE STATUS

	Olfactory Epi	Inflammation	Chronic Active, Minimal
		Metaplasia	Respiratory, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Marked
* Spleen		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 8-14]	Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
	[Ulcer TGLs = 10-10]	Ulcer	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 446 TMT: 5 SEX: Male DAY ON TEST: 730
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------------------------|----------------------------------------------------------------|-------------------------------------------|
| * Heart | Cardiomyopathy | Moderate |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Clear Cell Focus
Hepatodiaphragmatic Nodule
Inflammation | Marked
Granulomatous, Mild |
| [Hepatodiaphragmatic Nodule TGLs = 6-15] | | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Moderate |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-16] | | |
| * Nose | Respirat Epith | Minimal |
| | Olfactory Epi | Chronic Active, Mild
Respiratory, Mild |
| * Prostate | Inflammation | Suppurative, Minimal |
| * Spleen | Angiectasis
Hyperplasia | Marked
Lymphoid, Marked |
| [Angiectasis TGLs = 5-14] | | |
| [Hyperplasia TGLs = 4-14] | | |
| * Testes | Bilateral, Interstit Cell
Adenoma | |
| [Adenoma TGLs = 2,3-9] | | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 447 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 667 HISTO: 48227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear TGLs = 3-6 Leukemia Mononuclear
- * Lung Alveolar Epith Hyperplasia Mild
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Inflammation Chronic Active, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Prostate Inflammation Suppurative, Minimal
- * Spleen Leukemia Mononuclear
- * Stomach, Glandular Erosion Mild
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 448 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 709 HISTO: 48228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Preputial Gland
- * Stomach, Glandular
- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Thymus
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Seminal Vesicle
- * Trachea
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Heart
 - Atrium
 - [Thrombosis TGLs = 6-6]
 Cardiomyopathy
Thrombosis
Mild
Marked
- * Kidney
 - Nephropathy
 Chronic, Moderate
- * Liver
 - Basophilic Focus
- * Lymph Node, Mesenteric
 - Infiltration Cellular
 Histiocyte, Moderate
- * Nose
 - Olfactory Epi
 - Respirat Epith
 - Glands, Respirat Epith
 - Olfactory Epi
 Atrophy
Hyperplasia
Hyperplasia
Hyperplasia
Moderate
Minimal
Mild
Basal Cell, Minimal
- * Pancreas
 - Acinus
 Atrophy
Mild
- * Pituitary Gland
 - Pars Distalis
 - [Adenoma TGLs = 1-10]
 Adenoma
- * Prostate
 - Hyperplasia
 - Inflammation
 - [Inflammation TGLs = 7-16]
 Mild
Suppurative, Mild
- * Skin
 - Subcut Tiss
 - [Fibroma TGLs = 2-15]
 Fibroma
- * Spleen
 - [Infarct TGLs = 3-14]
 Infarct
- * Testes
 - Bilateral, Interstit Cell
 - [Adenoma TGLs = 4-9]
 Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 448 TMT: 5
DOSE: 32 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 709
HISTO: 48228

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH - Spleen Infarct
CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	449	TMT:	5	SEX:	Male	DAY ON TEST:	626
		DOSE:	32 PPM	DISP:	Natural Death	HISTO:	48229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

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

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

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Mild
* Eye		Inflammation	Chronic Active, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Atrophy	Marked
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 2-9]		
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 449 **TMT:** 5
 DOSE: 32 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 626
HISTO: 48229

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 450 TMT: 5 DOSE: 32 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------------------------------------------|------------------------------------------------------|-------------------------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Basophilic Focus
Clear Cell Focus | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Nose | Olfactory Epi
Respirat Epith
Olfactory Epi
Glands, Respirat Epith | Atrophy
Hyperplasia
Hyperplasia
Hyperplasia | Moderate
Minimal
Basal Cell, Minimal
Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Preputial Gland | | Inflammation | Chronic Active, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 2-9] | | |
| * Thyroid Gland | C Cell | Adenoma | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 601 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Skin
- * Thymus
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Spleen
- * Trachea
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Salivary Glands
- * Stomach, Forestomach
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Liver
- * Seminal Vesicle
- * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Carcinoma
- [Carcinoma TGLs = 6-6]
- * Kidney Cyst
- [Cyst TGLs = 4-7]
- [Nephropathy TGLs = 3-7]
- * Lung Alveolar Epith Hyperplasia Mild
- [Hyperplasia TGLs = 5-5]
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Minimal
- * Nose Respirat Epith Adenoma
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- Olfactory Epi Hyperplasia Minimal
- Olfactory Epi Inflammation Chronic Active, Minimal
- Olfactory Epi Metaplasia Respiratory, Moderate
- Olfactory Epi Necrosis Minimal
- * Pancreas Acinus Atrophy Marked
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Preputial Gland Inflammation Chronic Active, Minimal

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 601 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48081

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Hyperplasia Inflammation	Mild Suppurative, Mild
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Mild
	[Adenoma TGLs = 2-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 602 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 565
HISTO: 48082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
Pheochromocytoma Benign
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
Leukemia Mononuclear
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 5-6]
- * Lung Alveolus Infiltration Cellular Histiocyte, Mild
Leukemia Mononuclear
- Lymph Node Renal Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 6-14]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 7-15]
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Mild
Olfactory Epi Atrophy Moderate
Olfactory Epi Degeneration Minimal
Glands, Respirat Epith Hyperplasia Moderate
Olfactory Epi Hyperplasia Basal Cell, Mild
Respirat Epith Hyperplasia Moderate
Olfactory Epi Hyperplasia Mild
Olfactory Epi Metaplasia Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 602 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 565
HISTO: 48082

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1-10]		
* Prostate		Hyperplasia Inflammation	Mild Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-16]		
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
	[Adenoma TGLs = 2-9]		
	[Atrophy TGLs = 3-9]		
* Thymus		Cyst Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 603	TMT: 7	SEX: Male	DAY ON TEST: 516
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Degeneration	Minimal
	Glands, Respirat Epith	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Mild
	Olfactory Epi	Necrosis	Minimal
* Pancreas	Acinus	Atrophy	Mild
		Leukemia Mononuclear	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 603 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 516
HISTO: 48083

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Intermed Pars Distalis	Cyst Hyperplasia	Mild
* Spleen	[Leukemia Mononuclear TGLs = 2-14]	Leukemia Mononuclear	
* Testes	Interstit Cell [Adenoma TGLs = 1-9]	Adenoma Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 604 TMT: 7 SEX: Male DAY ON TEST: 676
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
	[Pheochromocytoma Malignant TGLs = 6-7]		
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung		Leukemia Mononuclear Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
	[Leukemia Mononuclear TGLs = 2-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Glands, Respirat Epith Respirat Epith Olfactory Epi	Atrophy Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia	Moderate Moderate Moderate Basal Cell, Mild Chronic Active, Moderate Respiratory, Moderate
* Pituitary Gland	Olfactory Epi Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLs = 1-15+16]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 604 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 676
HISTO: 48084

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 605 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
- * Heart Cardiomyopathy Minimal
- * Islets, Pancreatic Adenoma
- * Kidney Leukemia Mononuclear Nephropathy Chronic, Moderate
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Foreign Body Moderate
Olfactory Epi Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
- * Preputial Gland Hyperplasia Marked
- * Prostate Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 605 TMT: 7
 DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48085

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Inflammation	Suppurative, Mild
	[Leukemia Mononuclear TGLs = 3-14]	Leukemia Mononuclear	
* Testes		Adenoma	
	[Adenoma TGLs = 2-9]		
	Bilateral, Interstit Cell		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 606 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 681 HISTO: 48086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Thymus

OBSERVATIONS

- * Adrenal Cortex [Adenoma TGLs = 7-7] Adenoma
- * Adrenal Medulla Hyperplasia Marked
Leukemia Mononuclear
- * Heart Cardiomyopathy Minimal
Leukemia Mononuclear
- * Kidney Nephropathy Chronic, Minimal
- * Liver [Leukemia Mononuclear TGLs = 5-6] Leukemia Mononuclear
- * Lung [Leukemia Mononuclear TGLs = 4-4+5] Leukemia Mononuclear
- Lymph Node Deep Cervical Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-15]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Adenoma
Olfactory Epi Hyperplasia Basal Cell, Mild
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Moderate
Metaplasia Respiratory, Mild
- * Pituitary Gland Olfactory Epi Hyperplasia Mild
- * Prostate Pars Distalis Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 606 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 681
HISTO: 48086

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-14,3-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 6-9]		
* Urinary Bladder		Edema	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 608	TMT: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 64 PPM	DISP: Terminal Sacrifice	HISTO: 48088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Hyperplasia Leukemia Mononuclear	Mild
* Adrenal Medulla	Hyperplasia Pheochromocytoma Benign	Marked
* Bone Marrow	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
* Kidney	Nephropathy	Chronic, Moderate
* Liver	Degeneration Eosinophilic Focus Leukemia Mononuclear	Cystic, Mild
	[Leukemia Mononuclear TGLs = 4-14]	
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-3]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose	Respirat Epith Olfactory Epi Glands, Respirat Epith Olfactory Epi Olfactory Epi	Moderate Basal Cell, Minimal Minimal Minimal Respiratory, Mild
* Pancreas	Acinus	Minimal
* Pituitary Gland	Pars Distalis Hyperplasia	Marked
	[Hyperplasia TGLs = 3-10]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 608 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48088

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-15]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLs = 6-9]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 609 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Preputial Gland
- * Stomach, Glandular
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Thyroid Gland
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Seminal Vesicle
- * Trachea
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Bone Marrow Leukemia Mononuclear
- * Brain Compression Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Marked
- [Nephropathy TGLs = 4-7]
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-6]
- * Lung Alveolar/Bronchiolar Adenoma
- Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Foreign Body
- Respirat Epith Hyperplasia Moderate
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Glands, Respirat Epith Hyperplasia Minimal
- Inflammation Chronic Active, Moderate
- Metaplasia Respiratory, Mild
- * Pancreas Acinus Hyperplasia Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 5-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 609 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48089

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Minimal
* Skin	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLs = 6-16]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-15]		
* Testes	Adenoma	
[Adenoma TGLs = 1-9]		
* Thymus	Leukemia Mononuclear	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 610 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 481 HISTO: 48090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Seminal Vesicle
- * Thyroid Gland
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Skin
- * Trachea
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Prostate
- * Stomach, Forestomach

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Heart Leukemia Mononuclear
- * Kidney Nephropathy Chronic, Minimal
- * Liver [Leukemia Mononuclear TGLs = 3-6] Leukemia Mononuclear
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Moderate
 Olfactory Epi Degeneration Minimal
 Respirat Epith Hyperplasia Moderate
 Olfactory Epi Hyperplasia Basal Cell, Minimal
 Glands, Respirat Epith Hyperplasia Mild
 Olfactory Epi Metaplasia Respiratory, Minimal
- * Pituitary Gland Pars Distalis Adenoma
 [Adenoma TGLs = 4-10]
- * Preputial Gland Hyperplasia Mild
- * Spleen Leukemia Mononuclear
- * Testes Interstit Cell Hyperplasia Minimal
- * Thymus Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 610 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 481
HISTO: 48090

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 611	TMT: 7	SEX: Male	DAY ON TEST: 708
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart	Atrium	Thrombosis	Marked
	[Thrombosis TGLs = 9-6]		
* Kidney		Cyst	
	[Cyst TGLs = 6-7]	Nephropathy	Chronic, Marked
	[Nephropathy TGLs = 5-7]		
* Liver		Fibrous Histiocytoma	Metastatic (Skin)
	[Fibrous Histiocytoma TGLs = 4-6]		
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
	[Fibrous Histiocytoma TGLs = 8-4+5]		
* Nose	Respirat Epith	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Carcinoma	
	[Carcinoma TGLs = 1-9+16]		
* Prostate		Hyperplasia	Mild
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 7-17]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 611 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 708
HISTO: 48091

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLs = 10-10]		
* Testes		Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLs = 3-9]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 612 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Natural Death

DAY ON TEST: 690 HISTO: 48092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Esophagus
- * Intestine Large, Rectum
- * Larynx
- * Pituitary Gland
- * Skin
- * Thyroid Gland
- * Bone Marrow
- * Eye
- * Intestine Small, Duodenum
- * Lymph Node, Mediastinal
- * Preputial Gland
- * Stomach, Forestomach
- * Trachea
- * Brain
- * Harderian Gland
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Colon
- * Islets, Pancreatic
- * Parathyroid Gland
- * Seminal Vesicle
- * Thymus

MISSING

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

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum
- * Intestine Small, Ileum

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Hyperplasia Moderate
- * Heart Cardiomyopathy Moderate
- * Kidney Leukemia Mononuclear Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- * Lung Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Mild
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pancreas Acinus Atrophy Moderate
- * Prostate Inflammation Suppurative, Moderate
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-15]
- * Testes Bilateral, Interstit Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 612 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 690
HISTO: 48092

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 613 TMT: 7 SEX: Male DAY ON TEST: 486
DOSE: 64 PPM DISP: Natural Death HISTO: 48093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

AUTO PRECLUDES DIAG.

- * Nose
- * Spleen

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Kidney Nephropathy Chronic, Minimal
- * Preputial Gland Adenoma Necrosis Moderate
- [Adenoma TGLs = 2-15]
- * Testes Interstit Cell Adenoma
- [Adenoma TGLs = 3-9]

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	614	TMT:	7	SEX:	Male	DAY ON TEST:	711
		DOSE:	64 PPM	DISP:	Natural Death	HISTO:	48094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

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

* Adrenal Cortex	Hyperplasia	Mild
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
	Thrombosis	Marked
	Atrium	
[Thrombosis TGLs = 6-6]		
* Kidney	Leukemia Mononuclear	
	Nephropathy	Chronic, Moderate
* Liver	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Lymph Node, Bronchial	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-14]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose	Respirat Epith	Marked
	Glands, Respirat Epith	Mild
	Glands, Olfactory Epi	Mild
	Olfactory Epi	Respiratory, Mild
* Pancreas	Acinus	Mild
	Atrophy	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 614 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 711
HISTO: 48094

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Leukemia Mononuclear	
* Prostate	Inflammation	Suppurative, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3,4-15]		
* Stomach, Forestomach	Erosion	Minimal
* Stomach, Glandular	Ulcer	Moderate
[Ulcer TGLs = 7-14]		
* Testes	Bilateral, Interstit Cell	
[Adenoma TGLs = 2-9]	Adenoma	
	Mesothelioma Benign	
* Thyroid Gland	C Cell	
[Carcinoma TGLs = 5-3]	Carcinoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 615 TMT: 7 SEX: Male DAY ON TEST: 640
 DOSE: 64 PPM DISP: Natural Death HISTO: 48095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 616 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 544
HISTO: 48096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
- * Adrenal Medulla Pheochromocytoma Benign
- * Bone Marrow Leukemia Mononuclear
- * Heart Leukemia Mononuclear
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 4-6]
- * Lung Leukemia Mononuclear
- Lymph Node Deep Cervical Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 5-3]
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Mild
- Inflammation Chronic Active, Minimal
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Preputial Gland Adenoma
- [Adenoma TGLs = 6-14]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 616 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 544
HISTO: 48096

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLs = 2-15] Leukemia Mononuclear
* Testes [Adenoma TGLs = 3-9] Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 617 TMT: 7 SEX: Male DAY ON TEST: 617
DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Prostate		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 618 TMT: 7 SEX: Male DAY ON TEST: 712
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex	Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla	Pheochromocytoma Benign	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Hemorrhage	Moderate
[Hemorrhage TGLs = 6-1]		
* Heart	Cardiomyopathy	Marked
[Cardiomyopathy TGLs = 2-14]	Leukemia Mononuclear	
* Kidney	Nephropathy	Chronic, Mild
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-6]		
* Lung	Alveolar/Bronchiolar Adenoma	
Alveolar Epith	Hyperplasia	Moderate
[Alveolar/Bronchiolar Adenoma TGLs = 1-5]	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose	Olfactory Epi	Moderate
	Respirat Epith	Marked
	Glands, Respirat Epith	Moderate
	Olfactory Epi	Basal Cell, Mild
	Inflammation	Chronic Active, Mild
	Olfactory Epi	Respiratory, Mild
	Metaplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 618 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 712
HISTO: 48098

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-14]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-9]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 619	TMT: 7	SEX: Male	DAY ON TEST: 673
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Brain		Compression	Moderate
* Heart		Cardiomyopathy Leukemia Mononuclear	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 2-9+15]		
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 620 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 640 HISTO: 48100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Spleen
- * Thymus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Mammary Gland
- * Salivary Glands
- * Stomach, Forestomach
- * Trachea
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Pancreas
- * Seminal Vesicle
- * Stomach, Glandular
- * Urinary Bladder
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Parathyroid Gland
- * Skin
- * Testes

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Carcinoma
- * Kidney Nephropathy Chronic, Moderate
- * Liver Eosinophilic Focus
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hemorrhage Mild
- Glands, Respirat Epith Hyperplasia Moderate
- Glands, Olfactory Epi Hyperplasia Mild
- Inflammation Mild
- Chronic Active, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Prostate Inflammation Suppurative, Mild
- * Thyroid Gland C Cell Hyperplasia Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 621	TMT: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 64 PPM	DISP: Terminal Sacrifice	HISTO: 48101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Larynx | * Lung | * Lymph Node, Mediastinal |
| * Pancreas | * Parathyroid Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------|-----------------------------|----------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Minimal |
| * Adrenal Medulla | Hyperplasia | Minimal |
| * Heart | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | Adenoma | |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Mixed Cell Focus | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Moderate |
| * Mammary Gland | Galactocele | Marked |
| | [Galactocele TGLs = 2-15] | |
| * Nose | Olfactory Epi | Mild |
| | Olfactory Epi | Moderate |
| | Foreign Body | |
| | Olfactory Epi | Basal Cell, Minimal |
| | Glands, Respirat Epith | Mild |
| | Hyperplasia | Chronic Active, Mild |
| | Inflammation | Respiratory, Mild |
| | Olfactory Epi | |
| * Pituitary Gland | Pars Distalis | |
| | Adenoma | |
| | [Adenoma TGLs = 3-10] | |
| * Prostate | Inflammation | Suppurative, Mild |
| * Skin | Subcut Tiss | |
| | [Fibroma TGLs = 1-14] | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 621 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48101

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen			Leukemia Mononuclear	
* Testes		Bilateral, Interstit Cell	Adenoma	
	[Adenoma	TGLs = 4-9]		
* Thyroid Gland		C Cell	Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 622 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 582
HISTO: 48102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia
Vacuolization Cytoplasmic
Minimal
Minimal
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy
Mild
- * Kidney Nephropathy
Chronic, Mild
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi
Glands, Respirat Epith
Olfactory Epi
Atrophy
Hyperplasia
Hyperplasia
Inflammation
Metaplasia
Moderate
Minimal
Basal Cell, Minimal
Chronic Active, Minimal
Respiratory, Mild
- * Pancreas Olfactory Epi
Acinus
Atrophy
Mild
- * Prostate Inflammation
Suppurative, Minimal
- * Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-14]
- * Testes Interstitial Cell
Hyperplasia
Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 623 TMT: 7 SEX: Male DAY ON TEST: 645
DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular * Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain		Granular Cell Tumor Benign	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-9]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 623 **TMT:** 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 645
HISTO: 48103

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 624 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 591 HISTO: 48104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Preputial Gland * Spleen * Thyroid Gland * Bone * Eye * Intestine Large, Rectum * Larynx * Salivary Glands * Stomach, Forestomach * Trachea * Bone Marrow * Harderian Gland * Intestine Small, Duodenum * Lymph Node, Mesenteric * Seminal Vesicle * Stomach, Glandular * Urinary Bladder * Epididymis * Intestine Large, Cecum * Intestine Small, Ileum * Parathyroid Gland * Skin * Thymus

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Brain Compression Moderate
* Heart Cardiomyopathy Mild
* Islets, Pancreatic Carcinoma [Carcinoma TGLs = 3-14]
* Kidney Nephropathy Chronic, Moderate
* Liver Vacuolization Cytoplasmic Moderate
* Lung Alveolar Epith Hyperplasia Mild
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
Olfactory Epi Metaplasia Respiratory, Mild
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Adenoma [Adenoma TGLs = 1-10]
* Prostate Inflammation Suppurative, Minimal
* Testes Germinal Epith Atrophy Marked [Atrophy TGLs = 2-9]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 625 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: 48105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Leukemia Mononuclear
 - Vacuolization Cytoplasmic
 Mild
- * Adrenal Medulla
 - Hyperplasia
 Mild
- * Bone Marrow
 - Leukemia Mononuclear
- * Heart
 - Cardiomyopathy
 - Leukemia Mononuclear
 Mild
- * Kidney
 - Histiocytic Sarcoma
 - Nephropathy
 Chronic, Moderate
- * Liver
 - Histiocytic Sarcoma
 - Leukemia Mononuclear
- * Lung
 - [Leukemia Mononuclear TGLs = 4-6]
 - Hemorrhage
 - Histiocytic Sarcoma
 - Leukemia Mononuclear
 Marked
- * Nose
 - [Histiocytic Sarcoma TGLs = 2-4+5]
 - Olfactory Epi Glands, Respirat Epith
 - Olfactory Epi
 - Olfactory Epi
 Atrophy
 Hyperplasia
 Hyperplasia
 Inflammation
 Necrosis
 Moderate
 Mild
 Basal Cell, Mild
 Chronic Active, Mild
 Mild
- * Pancreas
 - Acinus
 Atrophy
 Minimal
- * Pituitary Gland
 - Pars Distalis
 Hyperplasia
 Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 625 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 646
HISTO: 48105

ORGAN AND ACCOUNTABLE SITE STATUS

	[Hyperplasia TGLs = 1-10]		
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Histiocytic Sarcoma Squamous Cell Papilloma	
	[Histiocytic Sarcoma TGLs = 6-15] [Squamous Cell Papilloma TGLs = 3-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-14]		
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Histiocytic Sarcoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 626 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- * Adrenal Cortex Adenoma Leukemia Mononuclear
* Adrenal Medulla Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Leukemia Mononuclear Moderate
* Kidney Nephropathy Chronic, Moderate
* Liver Leukemia Mononuclear
* Lung Alveolar Epith Hyperplasia Leukemia Mononuclear Mild
* Lymph Node, Mediastinal Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
Mesentery Necrosis [Necrosis TGLs = 2-15] Moderate
* Nose Respirat Epith Glands, Respirat Epith Olfactory Epi Hyperplasia Hyperplasia Hyperplasia Inflammation Moderate Mild Basal Cell, Minimal Chronic Active, Minimal
* Pituitary Gland Pars Distalis Pars Distalis Adenoma Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 626 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48106

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland	Inflammation	Chronic Active, Minimal
* Prostate	Inflammation	Suppurative, Mild
* Skin	Keratoacanthoma	
[Keratoacanthoma TGLs = 1-16]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3,4-14]		
* Testes	Bilateral, Interstit Cell	Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 627	TMT: 7	SEX: Male	DAY ON TEST: 611
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------|
| * Adrenal Cortex | | Hyperplasia
Vacuolization Cytoplasmic | Mild
Minimal |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | [Leukemia Mononuclear TGLs = 5-6] | Leukemia Mononuclear | |
| * Lung | [Leukemia Mononuclear TGLs = 1,2-4+5] | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Glands, Olfactory Epi | Foreign Body
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation | Mild
Mild
Mild
Chronic Active, Moderate |
| | Respirat Epith
Olfactory Epi | Metaplasia
Metaplasia | Squamous, Mild
Respiratory, Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Minimal |
| * Skin | Subcut Tiss
[Fibrosarcoma TGLs = 6-15+16+17+18] | Fibrosarcoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 627 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 611
HISTO: 48107

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
	[Leukemia Mononuclear TGLs = 4-14]	Leukemia Mononuclear	
* Testes		Adenoma	
	[Adenoma TGLs = 3-9]		
* Thyroid Gland		Adenoma	
	[Adenoma TGLs = 7-3]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 628 TMT: 7 SEX: Male DAY ON TEST: 592
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-6]		
* Lung	Inflammation Leukemia Mononuclear	Moderate
[Inflammation TGLs = 1-4]		
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose	Olfactory Epi Respirat Epith Glands, Respirat Epith Olfactory Epi	Mild Moderate Mild Basal Cell, Minimal
* Pancreas	Acinus	Minimal
* Pituitary Gland	Pars Distalis Adenoma Leukemia Mononuclear	
[Adenoma TGLs = 2-10]		
* Prostate	Inflammation	Suppurative, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3,4-14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 628 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 592
HISTO: 48108

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	629	TMT:	7	SEX:	Male	DAY ON TEST:	681
		DOSE:	64 PPM	DISP:	Moribund Sacrifice	HISTO:	48109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Mammary Gland
* Preputial Gland	* Thymus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLs = 8-7]		
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Minimal
		Foreign Body	
	Respirat Epith	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 629 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 681
HISTO: 48109

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Olfactory Epi Pars Distalis	Metaplasia Adenoma Leukemia Mononuclear	Respiratory, Moderate
[Adenoma TGLs = 2-10]			
* Prostate		Inflammation	Suppurative, Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4,5,6-15]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
[Adenoma TGLs = 3-9]			
[Hyperplasia TGLs = 3-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 630 TMT: 7 SEX: Male DAY ON TEST: 730
 DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear Mixed Cell Focus	
	[Mixed Cell Focus TGLs = 5-6+14]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia Inflammation Metaplasia	Mild Basal Cell, Minimal Chronic Active, Mild Respiratory, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Adenoma Inflammation	Chronic Active, Moderate
	[Adenoma TGLs = 3,4-16]		
* Prostate		Hyperplasia	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 1,2-18]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 630 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48110

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-15]		
* Testes		Adenoma	
	[Adenoma TGLs = 7-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 631	TMT: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 64 PPM	DISP: Terminal Sacrifice	HISTO: 48111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
	[Schwannoma Benign TGLs = 7-14]	Schwannoma Benign	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith Glands, Respirat Epith Olfactory Epi Olfactory Epi	Hyperplasia Hyperplasia Hyperplasia Metaplasia	Mild Mild Basal Cell, Mild Respiratory, Mild
* Pancreas		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-10]		
* Preputial Gland		Adenoma Inflammation	Chronic Active, Moderate
	[Adenoma TGLs = 3-9]		
* Prostate		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 631 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48111

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	[Squamous Cell Carcinoma TGLs = 1,2-16]	Inflammation Squamous Cell Carcinoma	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell [Adenoma TGLs = 6-9]	Adenoma	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 632 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 726 HISTO: 48112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Minimal
- * Bone Marrow Leukemia Mononuclear
- * Brain Oligodendroglioma Benign
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Marked
[Nephropathy TGLs = 5-7]
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-3]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Hyperplasia Marked
Glands, Respirat Epith Hyperplasia Moderate
Olfactory Epi Hyperplasia Basal Cell, Mild
Inflammation Chronic Active, Marked
Metaplasia Respiratory, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
Leukemia Mononuclear
[Adenoma TGLs = 2-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 632 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48112

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 7-14]		
* Testes	Adenoma	
[Adenoma TGLs = 3-9]		
* Thyroid Gland	Carcinoma	
[Carcinoma TGLs = 6-3]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 633 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 675
HISTO: 48113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - * Adrenal Medulla
 - * Bone Marrow
 - * Heart
 - * Kidney
 - * Liver
 - [Hepatodiaphragmatic Nodule TGLs = 6-6]
 - [Leukemia Mononuclear TGLs = 5-6]
 - * Lung
 - [Inflammation TGLs = 1-4+5]
 - * Lymph Node, Mesenteric
 - * Nose
 - Glands, Respirat Epith
 - Olfactory Epi
 - Respirat Epith
 - Olfactory Epi
 - * Pancreas
 - Acinus
 - * Pituitary Gland
 - Pars Distalis
 - [Hyperplasia TGLs = 2-10]
- Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Cardiomyopathy
Leukemia Mononuclear
Leukemia Mononuclear
Nephropathy
Hepatodiaphragmatic Nodule
Leukemia Mononuclear
Inflammation
Leukemia Mononuclear
Leukemia Mononuclear
Hyperplasia
Hyperplasia
Hyperplasia
Metaplasia
Atrophy
Hyperplasia
Leukemia Mononuclear
- Mild
Chronic, Mild
Marked
Mild
Mild
Basal Cell, Mild
Mild
Respiratory, Mild
Minimal
Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 633 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 675
HISTO: 48113

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Suppurative, Minimal
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-14]		
* Stomach, Glandular	Ulcer	Mild
* Testes	Adenoma	
[Adenoma TGLs = 3-9]		
* Thymus	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 634 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
Pheochromocytoma Benign
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Marked
[Nephropathy TGLs = 3-7]
- * Liver Basophilic Focus
Clear Cell Focus
Eosinophilic Focus
Mixed Cell Focus
Vacuolization Cytoplasmic Moderate
[Vacuolization Cytoplasmic TGLs = 2-6]
- * Lung Alveolar Epith Hyperplasia Minimal
- * Nose Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
Glands, Olfactory Epi Hyperplasia Minimal
Inflammation Chronic Active, Mild
Olfactory Epi Metaplasia Respiratory, Moderate
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- * Preputial Gland Inflammation Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 634 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48114

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
	[Adenoma TGLs = 5-9]		
	[Atrophy TGLs = 4-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 635 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 611
HISTO: 48115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Hyperplasia Mild
Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Marked
Leukemia Mononuclear
[Cardiomyopathy TGLs = 3-6]
- * Kidney Nephropathy Chronic, Mild
- * Liver Eosinophilic Focus
Leukemia Mononuclear
Regeneration Marked
Hepatocyte
[Leukemia Mononuclear TGLs = 9-6]
[Regeneration TGLs = 8-15]
- * Lung Leukemia Mononuclear
- Lymph Node Pancreatic Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 7-17]
- * Lymph Node, Bronchial Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-14]
- * Nose Respirat Epith Hyperplasia Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Inflammation Chronic Active, Moderate

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 635 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 611
HISTO: 48115

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Respirat Epith Acinus	Metaplasia Atrophy	Squamous, Minimal Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLs = 4,5-16]		
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma	TGLs = 2-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	636	TMT:	7	SEX:	Male	DAY ON TEST:	661
		DOSE:	64 PPM	DISP:	Moribund Sacrifice	HISTO:	48116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Moderate
* Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Vacuolization Cytoplasmic TGLs = 4-6]	Vacuolization Cytoplasmic	Marked
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Respirat Epith	Adenoma	
	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Marked
	Glands, Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
	[Inflammation TGLs = 2-15]		
* Prostate		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 636 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 661
HISTO: 48116

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLs = 2-15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-14]		
* Stomach, Glandular		Ulcer	Moderate
	[Ulcer TGLs = 7-10]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 6-9]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Liver Vacuolization Cytoplasmic

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	637	TMT:	7	SEX:	Male	DAY ON TEST:	635
		DOSE:	64 PPM	DISP:	Moribund Sacrifice	HISTO:	48117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
* Prostate		Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-15]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 637 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 635
HISTO: 48117

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLs = 3-9] Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 638 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 711 HISTO: 48118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Moderate
- * Bone [Osteosarcoma TGLs = 5-14] Osteosarcoma
- * Bone Marrow Leukemia Mononuclear
- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
- * Liver Leukemia Mononuclear
- * Lung Leukemia Mononuclear Osteosarcoma Metastatic (Bone)
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Mild
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Prostate Inflammation Suppurative, Moderate
- * Spleen Hematopoietic Cell Proliferation Moderate
Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 638 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 711
HISTO: 48118

ORGAN AND ACCOUNTABLE SITE STATUS

	[Leukemia Mononuclear TGLs = 3,4-15]	
* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLs = 6-9]	
* Thyroid Gland	C Cell	Adenoma
	Follicular Cel	Carcinoma
	[Adenoma TGLs = 1-3]	
	[Carcinoma TGLs = 1-3]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
 CONTRIBUTORY CAUSE OF DEATH - Bone Osteosarcoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 639	TMT: 7	SEX: Male	DAY ON TEST: 612
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Bone | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

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

OBSERVATIONS

- | | | | |
|---------------------------|-------------------------------------|-------------------------------|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Necrosis | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Adenoma | |
| | [Adenoma TGLs = 6-16] | | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-6] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Respirat Epith | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | | Inflammation | Chronic Active, Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| Penis | | Inflammation | Suppurative, Mild |
| | [Inflammation TGLs = 1-15] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 639 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 612
HISTO: 48119

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLs = 2-10]		
* Prostate	Inflammation	Suppurative, Mild
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4,5-14]		
* Stomach, Forestomach	Ulcer	Marked
[Ulcer TGLs = 7-16]		
* Testes	Interstit Cell	Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 640	TMT: 7	SEX: Male	DAY ON TEST: 661
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia Leukemia Mononuclear	Mild
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy Thrombosis	Mild Marked
	Atrium	
	[Cardiomyopathy TGLs = 4-14]	
	[Thrombosis TGLs = 3-6]	
* Kidney	Nephropathy	Chronic, Mild
* Liver	Leukemia Mononuclear Necrosis	Moderate
	[Necrosis TGLs = 7-6]	
* Lung	Leukemia Mononuclear	
Lymph Node	Angiectasis	Moderate
	Pancreatic	
	[Angiectasis TGLs = 5-15]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Galactocele	Marked
	[Galactocele TGLs = 1-15]	
Mesentery	Thrombosis	Marked
	[Thrombosis TGLs = 9-15]	
* Nose	Olfactory Epi Olfactory Epi	Minimal Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 640 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 661
HISTO: 48120

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith Glands, Respirat Epith	Hyperplasia Hyperplasia	Moderate Mild
	Olfactory Epi Olfactory Epi	Hyperplasia Metaplasia	Basal Cell, Mild Respiratory, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLs = 8-10]	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Mild
* Spleen [Leukemia Mononuclear TGLs = 6-14]		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Erosion Ulcer	Mild Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 641 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
* Adrenal Medulla Hyperplasia Minimal
* Heart Cardiomyopathy Mild
* Islets, Pancreatic Adenoma
* Kidney Nephropathy Chronic, Moderate
* Liver Clear Cell Focus Leukemia Mononuclear
* Lung Leukemia Mononuclear
* Lymph Node, Mediastinal [Hyperplasia TGLs = 3-3] Hyperplasia Lymphoid, Marked
* Nose Glands, Respirat Epith Foreign Body Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Mild
Olfactory Epi Metaplasia Respiratory, Mild
Olfactory Epi Necrosis Minimal
* Pituitary Gland Pars Distalis Adenoma
* Preputial Gland Inflammation Chronic Active, Minimal
* Spleen Leukemia Mononuclear
* Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 2-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 641 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48121

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland C Cell Adenoma
C Cell Hyperplasia Mild
[Adenoma TGLs = 1-3]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	642	TMT:	7	SEX:	Male	DAY ON TEST:	730
		DOSE:	64 PPM	DISP:	Terminal Sacrifice	HISTO:	48122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	Marked
	[Galactocele TGLs = 1-14]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
	Olfactory Epi	Necrosis	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Preputial Gland		Inflammation	Chronic Active, Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 642 TMT: 7
 DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48122

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Inflammation	Chronic Active, Moderate
* Spleen	Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Testes [Adenoma TGLs = 3-9]	Bilateral, Interstit Cell Adenoma	

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 643	TMT: 7	SEX: Male	DAY ON TEST: 698
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Mammary Gland | * Parathyroid Gland |
| * Pituitary 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 |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 6-6] | | |
| * Lung | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 2-4+5+14] | | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-14] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-3] | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | Olfactory Epi | Degeneration | Minimal |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Respirat Epith | Metaplasia | Squamous, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 643 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 698
HISTO: 48123

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Olfactory Epi Acinus	Metaplasia Atrophy	Respiratory, Mild Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen	[Leukemia Mononuclear TGLs = 4-15]	Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell [Adenoma TGLs = 3-9]	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 644 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 729 HISTO: 48124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lung
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Seminal Vesicle
- * Thymus
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Spleen
- * Thyroid Gland
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Liver
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

MISSING

- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Lymph Node, Mesenteric

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Heart Cardiomyopathy Minimal
- * Kidney Nephropathy Chronic, Mild
- Mesentery Necrosis Moderate
 - [Necrosis TGLs = 5,7-16+17]
- * Nose Glands, Respirat Epith Hyperplasia Mild
 - Olfactory Epi Hyperplasia Basal Cell, Mild
 - Olfactory Epi Inflammation Chronic Active, Minimal
 - Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
 - [Adenoma TGLs = 4-10]
- * Preputial Gland Adenoma
 - [Adenoma TGLs = 1-14]
- * Prostate Inflammation Suppurative, Mild
- * Skin Keratoacanthoma
- [Keratoacanthoma TGLs = 2,3-15]
- * Testes Bilateral, Interstit Cell Adenoma
 - [Adenoma TGLs = 6-9]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 645 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 556 HISTO: 48125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla
- * Bone Marrow
- * Heart
- * Kidney
- * Liver
- * Nose
- * Preputial Gland
- * Skin
- * Spleen
- * Testes
- Pheochromocytoma Benign
- Erythroid Cell
- Cardiomyopathy
- Nephropathy
- Necrosis
- Atrophy
- Foreign Body
- Respirat Epith
- Glands, Respirat Epith
- Olfactory Epi
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Inflammation
- Adenoma
- Ulcer
- Hematopoietic Cell Proliferation
- Adenoma
- Marked
- Mild
- Chronic, Mild
- Mild
- Moderate
- Moderate
- Mild
- Basal Cell, Mild
- Chronic Active, Mild
- [Adenoma TGLs = 4-14]
- Moderate
- Marked
- Bilateral, Interstit Cell
- [Adenoma TGLs = 5-9]

PRIMARY CAUSE OF DEATH - Preputial Gland Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 646 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Minimal
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Clear Cell Focus
Eosinophilic Focus
- * Lung Alveolar Epith Hyperplasia Moderate
[Hyperplasia TGLs = 4,5-4+5]
- * Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-15+16+17+18]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
- * Preputial Gland Inflammation Chronic Active, Minimal
- * Prostate Inflammation Suppurative, Minimal
- * Spleen Hematopoietic Cell Proliferation Mild
- * Testes Bilateral, Interstit Cell Adenoma
[Adenoma TGLs = 2-9]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 647 TMT: 7 SEX: Male DAY ON TEST: 729
DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	Moderate
	Hepatocyte	Regeneration	
	[Regeneration TGLs = 5,6-7+14]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Prostate		Inflammation	Suppurative, Mild
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLs = 1-15]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-14]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 647 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48127

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Erosion	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 3-9]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 648 TMT: 7 SEX: Male DAY ON TEST: 275
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Brain		Hemorrhage Thrombosis	Mild Mild
	[Thrombosis TGLs = 4-1]		
* Heart	Atrium	Cardiomyopathy Thrombosis	Mild Marked
	[Cardiomyopathy TGLs = 3-14] [Thrombosis TGLs = 2-6]		
* Kidney		Inflammation	Suppurative, Moderate
* Liver	Centrilobular	Degeneration	Moderate
* Lung		Hemorrhage Thrombosis	Moderate Moderate
* Nose	Olfactory Epi Respirat Epith	Atrophy Hyperplasia	Minimal Minimal
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis
 CONTRIBUTORY CAUSE OF DEATH - Brain Thrombosis
 - Lung Thrombosis

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 649 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * 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
Leukemia Mononuclear | Mild |
| * Adrenal Medulla | | Hyperplasia
Leukemia Mononuclear | Mild |
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Histiocytic Sarcoma
Leukemia Mononuclear | |
| | [Histiocytic Sarcoma TGLs = 5-15] | | |
| | [Leukemia Mononuclear TGLs = 4-6] | | |
| * Lung | | Histiocytic Sarcoma
Leukemia Mononuclear
Metaplasia | Squamous, Marked |
| | Alveolar Epith | | |
| | [Leukemia Mononuclear TGLs = 6-4+5] | | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Respirat Epith | Foreign Body | Marked |
| | Glands, Respirat Epith | Hyperplasia | Mild |
| | | Hyperplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 649 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 48129

ORGAN AND ACCOUNTABLE SITE STATUS

	Respirat Epith	Inflammation	Chronic Active, Mild
	Olfactory Epi	Metaplasia	Squamous, Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
		Necrosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-9+16]		
* Thyroid Gland	C Cell	Adenoma	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 650 TMT: 7 DOSE: 64 PPM

SEX: Male DISP: Moribund Sacrifice

DAY ON TEST: 544 HISTO: 48130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Epididymis
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Pancreas
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Seminal Vesicle
- * Thymus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Preputial Gland
- * Skin
- * Thyroid Gland
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Prostate
- * Stomach, Forestomach
- * Trachea

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Leukemia Mononuclear TGLs = 7-6]
- * Lung Leukemia Mononuclear TGLs = 6-4]
- Lymph Node Pancreatic Angiectasis Moderate
- Deep Cervical Leukemia Mononuclear
- Pancreatic Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 1-14]
- [Leukemia Mononuclear TGLs = 8-15]
- * Lymph Node, Bronchial Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 5-3]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 9-8]
- * Nose Olfactory Epi Atrophy Mild
- Respirat Epith Hyperplasia Moderate
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 650 TMT: 7
DOSE: 64 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 544
HISTO: 48130

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 3,4-14]	
* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLs = 2-9]	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 101 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Natural Death

DAY ON TEST: 580
HISTO: 48031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Harderian Gland | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Kidney | * Larynx |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | |
|----------------------|---------------------------|----------------------|
| * Adrenal Cortex | Angiectasis | Mild |
| * Eye | Inflammation | Suppurative, Minimal |
| * Heart | Cardiomyopathy | Minimal |
| * Liver | Basophilic Focus | |
| * Skin | Cyst Epithelial Inclusion | Mild |
| * Stomach, Glandular | Erosion | Mild |

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 102 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus TGLs = 3-14 Basophilic Focus
- * Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2-9+14+15+16]
- * Nose Inflammation Chronic Active, Minimal
- * Thyroid Gland C Cell Hyperplasia Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 103 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Leukemia Mononuclear
 - Vacuolization Cytoplasmic
 Marked
Mild
- * Adrenal Medulla
 - Leukemia Mononuclear
- * Bone Marrow
 - Leukemia Mononuclear
- * Eye
 - Lens
 - [Cataract TGLs = 2-13]
 Cataract

Moderate
- * Heart
 - Cardiomyopathy
 Minimal
- * Kidney
 - Nephropathy
 Chronic, Mild
- * Liver
 - Basophilic Focus
 - Leukemia Mononuclear
 - [Leukemia Mononuclear TGLs = 4-6]
- * Lung
 - Leukemia Mononuclear
- * Lymph Node, Mesenteric
 - Leukemia Mononuclear
- * Mammary Gland
 - Carcinoma
 - Inflammation
 - [Carcinoma TGLs = 1-14]
 Chronic Active, Marked
- * Pituitary Gland
 - Pars Distalis
 - [Adenoma TGLs = 3-10]
 Adenoma
- * Spleen
 - Leukemia Mononuclear
- * Thyroid Gland
 - C Cell
 - Hyperplasia
 Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 104 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|------------------------------------------|----------------------------------|-------------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Infarct | |
| | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Vacuolization Cytoplasmic | Mild |
| * Pituitary Gland | Adenoma | |
| [Adenoma Pars Distalis
TGLs = 1-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | Hyperplasia | Mild |
| | C Cell | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 105	TMT: 2	SEX: Female	DAY ON TEST: 731
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------------------|----------------------------------|--------------------------|
| * Adrenal Cortex | Leukemia Mononuclear | |
| * Brain | Compression | Mild |
| * Clitoral Gland | Inflammation | Chronic Active, Moderate |
| [Inflammation TGLs = 1-14] | | |
| * Heart | Cardiomyopathy | Mild |
| * Liver | Basophilic Focus | |
| [Leukemia Mononuclear TGLs = 4-6] | Leukemia Mononuclear | |
| * Mammary Gland | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 2,5-15+16+17] | | |
| * Pituitary Gland | Adenoma | |
| Pars Distalis | | |
| [Adenoma TGLs = 3-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| | Leukemia Mononuclear | |
| * Thyroid Gland | Hyperplasia | Minimal |
| C Cell | | |
| * Uterus | Polyp Stromal | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 106 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex * Adrenal Medulla * Bone * Bone Marrow
* Brain * Clitoral Gland * Esophagus * Eye
* Harderian Gland * Heart * Intestine Large, Cecum * Intestine Large, Colon
* Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum * Intestine Small, Jejunum
* Islets, Pancreatic * Larynx * Lymph Node, Mesenteric * Ovary
* Pancreas * Parathyroid Gland * Salivary Glands * Skin
* Stomach, Forestomach * Stomach, Glandular * Thymus * Thyroid Gland
* Trachea * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus Clear Cell Focus
[Clear Cell Focus TGLs = 5-6]
* Lung Alveolar/Bronchiolar Carcinoma
[Alveolar/Bronchiolar Carcinoma TGLs = 2-4]
* Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,4-14+15]
Mesentery Necrosis Moderate
[Necrosis TGLs = 3-16]
* Nose Olfactory Epi Metaplasia Respiratory, Mild
* Pituitary Gland Pars Distalis Hyperplasia Mild
* Spleen Hematopoietic Cell Proliferation Mild
* Uterus Polyp Stromal

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 107 TMT: 2 SEX: Female DAY ON TEST: 732
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 48037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
 [Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
 Mixed Cell Focus
 [Mixed Cell Focus TGLs = 5-15]
- * Lung Alveolar Epith Hyperplasia Mild
- * Mammary Gland Fibroadenoma Multiple
 [Fibroadenoma TGLs = 2,4-14+16]
- * Nose Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Hyperplasia Moderate
- * Uterus Hemorrhage Marked
 Polyp Stromal
 [Polyp Stromal TGLs = 3-15]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 108 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Moderate
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus
Clear Cell Focus
* Lung Alveolus Infiltration Cellular TGLs = 2-5 Histiocyte, Mild
* Mammary Gland Fibroadenoma TGLs = 1-15
Mesentery Necrosis Moderate
* Ovary Cyst
* Pituitary Gland Pars Distalis Adenoma TGLs = 3-10
* Spleen Hemangiosarcoma Hematopoietic Cell Proliferation Hemorrhage Moderate
Chronic, Marked
[Hemangiosarcoma TGLs = 4-14]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 109	TMT: 2	SEX: Female	DAY ON TEST: 694
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Marked
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6,9-14+15]	
* Liver	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-6]	
* Lung	Leukemia Mononuclear	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-14]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-17]	
* Mammary Gland	Leukemia Mononuclear	
* Nose	Olfactory Epi	Mild
* Ovary	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Moderate
	Hyperplasia	
	Leukemia Mononuclear	
	[Hyperplasia TGLs = 2-10]	
* Spleen	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4,5-15+16]	
* Stomach, Forestomach	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 109 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 694
HISTO: 48039

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Ulcer	Moderate
		Leukemia Mononuclear	
		Ulcer	Mild
	[Ulcer TGLs = 10-18]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Fibrosis	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 112 TMT: 2 SEX: Female DAY ON TEST: 680
 DOSE: CONTROL DISP: Moribund Sacrifice HISTO: 48042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Erythroid Cell	Hyperplasia	Moderate
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic Active, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Mild
	[Carcinoma TGLs = 3-14]		
	[Hyperplasia TGLs = 5-9]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 2-14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 112 TMT: 2
 DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 680
HISTO: 48042

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Uterus Hemangiosarcoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 113	TMT: 2	SEX: Female	DAY ON TEST: 732
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Minimal
* Clitoral Gland	Inflammation	Chronic Active, Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLs = 3-7]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland Pars Distalis	Adenoma	
[Adenoma TGLs = 2-10]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Leukemia Mononuclear	
* Thyroid Gland C Cell	Hyperplasia	Moderate

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 114 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 599
HISTO: 48044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Pituitary Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Stomach, Glandular
- * Uterus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Skin
- * Thymus
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Spleen
- * Trachea

MISSING

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

OBSERVATIONS

- * Esophagus [Fibrosarcoma TGLs = 2-14] Fibrosarcoma
- * Heart Cardiomyopathy Minimal
- * Kidney Nephropathy Chronic, Minimal
- * Larynx Metaplasia Squamous, Mild
- * Liver Basophilic Focus
Clear Cell Focus
Vacuolization Cytoplasmic Mild
- [Clear Cell Focus TGLs = 3-14]
- * Mammary Gland [Fibroadenoma TGLs = 5-7] Fibroadenoma
- * Nose Respirat Epith Hyperplasia Minimal
Inflammation Chronic Active, Minimal
- * Ovary [Cyst TGLs = 1-16] Cyst
- * Thyroid Gland C Cell Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Esophagus Fibrosarcoma

Animal Note: TGL 4 = NCL (No Corresponding Lesion)

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 115 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Nose
- * Skin
- * Thymus
- * Uterus
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Ovary
- * Spleen
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Clitoral Gland
 - * Heart
 - * Islets, Pancreatic
 - * Kidney
 - * Liver
 - * Pancreas
 - * Pituitary Gland
 - Inflammation
 - Cardiomyopathy
 - Hyperplasia
 - Nephropathy
 - Basophilic Focus
 - Atrophy
 - Adenoma
 - Chronic Active, Minimal
 - Mild
 - Mild
 - Chronic, Mild
 - Mild
- Acinus
Pars Distalis
[Adenoma TGLs = 1-10]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 116 TMT: 2 SEX: Female DAY ON TEST: 581
 DOSE: CONTROL DISP: Natural Death HISTO: 48046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Kidney
* Larynx	* Lung	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Thymus
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AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Stomach, Glandular	* Urinary Bladder		

INSUFFICIENT TISSUE

* Lymph Node, Mediastinal

OBSERVATIONS

* Brain	Hemorrhage	Mild
* Clitoral Gland	Hyperplasia	Moderate
* Heart	Cardiomyopathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLs = 3-6]		
* Mammary Gland	Galactocele	Marked
[Galactocele TGLs = 1-14]		
* Pituitary Gland	Hemorrhage	Marked
[Hemorrhage TGLs = 2-10]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLs = 4-10]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Hemorrhage

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 117 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------------|--------------------------------------|-------------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Clitoral Gland | Inflammation | Chronic Active, Minimal |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus
Mixed Cell Focus | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 2-7] | | |
| * Pituitary Gland Pars Distalis | Hyperplasia | Moderate |
| [Hyperplasia TGLs = 1-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland C Cell | Hyperplasia | Mild |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 118	TMT: 2	SEX: Female	DAY ON TEST: 731
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * 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 |
|-------------------------|--------------------------|

OBSERVATIONS

- | | | |
|------------------------------|----------------------------------------|------------------|
| * Adrenal Cortex | Vacuolization Cytoplasmic | Mild |
| * Adrenal Medulla | Hyperplasia
Pheochromocytoma Benign | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Larynx | Foreign Body | |
| * Liver | Basophilic Focus | |
| * Lymph Node, Mediastinal | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | Carcinoma | |
| [Carcinoma TGLs = 1-14+15] | | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 3-7] | | |
| * Pituitary Gland | Adenoma | |
| Pars Distalis | | |
| [Adenoma TGLs = 2-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland | C Cell
Hyperplasia | Moderate |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 119 TMT: 2 SEX: Female DAY ON TEST: 732
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 48049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Leukemia Mononuclear Mild
- * Kidney Cardiomyopathy
- * Liver Leukemia Mononuclear Chronic, Mild
- * Lung [Leukemia Mononuclear TGLs = 4-6] Alveolar Epith Hyperplasia Moderate
- * Lung [Hyperplasia TGLs = 6,7-14+15] Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
- * Mammary Gland Carcinoma Fibroadenoma
- * Mammary Gland [Carcinoma TGLs = 1-16]
- * Mammary Gland [Fibroadenoma TGLs = 2-17]
- * Nose Olfactory Epi Atrophy Mild
- * Nose Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- * Pituitary Gland [Adenoma TGLs = 5-10]
- * Spleen Leukemia Mononuclear
- * Spleen [Leukemia Mononuclear TGLs = 3-14]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	119	TMT:	2
		DOSE:	CONTROL

SEX:	Female
DISP:	Terminal Sacrifice

DAY ON TEST:	732
HISTO:	48049

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 120 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
- * Clitoral Gland
- * Heart
- * Kidney
- * Liver
- * Pancreas
- * Pituitary Gland
- * Spleen
- * Thyroid Gland
- Hyperplasia
- Inflammation
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Atrophy
- Hyperplasia
- Leukemia Mononuclear
- Hyperplasia
- Mild
- Chronic Active, Mild
- Mild
- Chronic, Mild
- Minimal
- Mild
- Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 121 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Thymus
- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Trachea
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Nose
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Pancreas
- * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Adenoma
 - [Adenoma TGLs = 5-6]
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
 - Leukemia Mononuclear
- * Mammary Gland Carcinoma
 - [Carcinoma TGLs = 1-14]
 - [Fibroadenoma TGLs = 1-15]Fibroadenoma
- * Ovary Cyst
 - [Cyst TGLs = 3-9]
- * Pituitary Gland Adenoma
 - Pars Distalis
 - [Adenoma TGLs = 2-10]
- * Skin Leukemia Mononuclear
 - Subcut Tiss
- * Spleen Leukemia Mononuclear
- * Thyroid Gland Hyperplasia Marked
 - C Cell
- * Uterus Polyp Stromal
 - [Polyp Stromal TGLs = 4-10]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 122 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 4-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-8]
- * Pituitary Gland Pars Distalis Cyst
Pars Distalis Hyperplasia Moderate
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 1,2-14]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 123	TMT: 2	SEX: Female	DAY ON TEST: 526
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Liver | * Lung | * Lymph Node, Mediastinal |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------|----------------------------------|------------------|
| * Adrenal Cortex | Hyperplasia | Moderate |
| * Kidney | Nephropathy | Chronic, Minimal |
| * Lymph Node, Mesenteric | Angiectasis | Minimal |
| * Mammary Gland | Fibroadenoma
Galactocele | Marked |
| | [Fibroadenoma TGLs = 4-14] | |
| | [Galactocele TGLs = 5-7] | |
| * Pituitary Gland | Pars Distalis
Adenoma | |
| | [Adenoma TGLs = 2-10] | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | Epithelium
Hyperplasia | Moderate |
| | [Hyperplasia TGLs = 6-14] | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 124 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 393
HISTO: 48054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Liver Basophilic Focus
- * Lymph Node, Mesenteric Hyperplasia Lymphoid, Mild
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 1-14+15]
- * Pituitary Gland Pars Distalis Hyperplasia Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 125 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Natural Death

DAY ON TEST: 652 HISTO: 48055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Clitoral Gland Inflammation Chronic Active, Minimal
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Mild
* Liver Basophilic Focus
* Mammary Gland Adenoma
[Adenoma TGLs = 4-7]
* Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
* Spleen Hematopoietic Cell Proliferation Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 126 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 673
HISTO: 48056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Medulla Hyperplasia Mild
- * Clitoral Gland Adenoma
- * Heart Atrium Cardiomyopathy Mild
Thrombosis Marked
- * Kidney Nephropathy Chronic, Minimal
- * Liver Centrilobular Necrosis Moderate
[Necrosis TGLs = 4-6]
- * Mammary Gland Adenoma
Fibroadenoma
[Adenoma TGLs = 5-7]
[Fibroadenoma TGLs = 2-14]
- * Nose Olfactory Epi Atrophy Mild
Foreign Body
Respirat Epith Hyperplasia Moderate
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Moderate
- * Skin Trichoepithelioma TGLs = 3-15]
- * Stomach, Glandular Erosion Mild

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	126	TMT:	2
		DOSE:	CONTROL

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	673
HISTO:	48056

ORGAN AND ACCOUNTABLE SITE STATUS

- Liver Centrilobular Necrosis

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 127 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 691
HISTO: 48057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|---------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lymph Node, Mediastinal | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

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

OBSERVATIONS

- | | | |
|-------------------------------------|------------------------------------------|------------------|
| * Brain | Compression | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus
Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 2-6] | | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | Carcinoma
Fibroadenoma | |
| [Carcinoma TGLs = 1-14] | | |
| [Fibroadenoma TGLs = 4-9] | | |
| * Pituitary Gland Pars Distalis | Adenoma | |
| [Adenoma TGLs = 3-10] | | |
| * Spleen | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	128	TMT:	2	SEX:	Female	DAY ON TEST:	715
		DOSE:	CONTROL	DISP:	Moribund Sacrifice	HISTO:	48058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Mediastinal | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |
-

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------|-------------------------------------|------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Bone Marrow | Leukemia Mononuclear | |
| * Clitoral Gland | Adenoma | |
| | [Adenoma TGLs = 2-9] | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 7-6] | |
| * Lung | Hyperplasia | Mild |
| | Alveolar Epith | |
| | [Hyperplasia TGLs = 9-5] | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 3,4-15+16] | |
| Mesentery | Necrosis | Moderate |
| | [Necrosis TGLs = 5-17] | |
| * Nose | Olfactory Epi | Moderate |
| * Pituitary Gland | Atrophy | |
| | Pars Distalis | |
| | Adenoma | |
| | [Adenoma TGLs = 6-10] | |
| * Skin | Ulcer | Marked |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	128	TMT:	2	SEX:	Female	DAY ON TEST:	715
		DOSE:	CONTROL	DISP:	Moribund Sacrifice	HISTO:	48058

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 1-14]
* Spleen [Leukemia Mononuclear TGLs = 8-14] Leukemia Mononuclear
* Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 129 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|------------------------------|----------------------|---------------|
| * Adrenal Cortex | Angiectasis | Moderate |
| * Clitoral Gland | Hyperplasia | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Clear Cell Focus | |
| | Leukemia Mononuclear | |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-14] | | |
| * Pituitary Gland | Hyperplasia | Moderate |
| Pars Distalis | | |
| * Spleen | Leukemia Mononuclear | |
| * Uterus | Polyp Stromal | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 130 TMT: 2 SEX: Female DAY ON TEST: 732
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 48060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------|-----------------------------------|---------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| | Leukemia Mononuclear | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| * Mammary Gland | Carcinoma | |
| | Fibroadenoma | Multiple |
| | [Carcinoma TGLs = 2-15] | |
| | [Fibroadenoma TGLs = 1-14,3-16] | |
| * Ovary | Cyst | |
| | [Cyst TGLs = 5-9] | |
| * Pituitary Gland | Pars Distalis | |
| | [Adenoma TGLs = 4-10] | |
| * Spleen | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Hyperplasia |
| | | Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 131 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * 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 | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------|----------------------------------|---------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Thyroid Gland | C Cell | Carcinoma | |
| [Carcinoma | TGLs = 1-3] | | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 132 TMT: 2 SEX: Female DAY ON TEST: 662
 DOSE: CONTROL DISP: Moribund Sacrifice HISTO: 48062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Skin
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Thyroid Gland
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Clitoral Gland Leukemia Mononuclear
- * Heart Atrium Cardiomyopathy Moderate
Thrombosis Mild
- * Kidney Leukemia Mononuclear
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 6-6]
- * Lung Leukemia Mononuclear
- Lymph Node Deep Cervical Leukemia Mononuclear
Pancreatic Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-14]
[Leukemia Mononuclear TGLs = 8-15]
- * Lymph Node, Mediastinal Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-3]
- * Lymph Node, Mesenteric Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 10-17]
- * Nose Leukemia Mononuclear
- * Ovary Leukemia Mononuclear
- * Pituitary Gland Pars Distalis Cyst
[Cyst TGLs = 5-10]
- Skeletal Muscle Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 132 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 662
HISTO: 48062

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	[Leukemia Mononuclear TGLs = 2-16]	Leukemia Mononuclear	
* Stomach, Forestomach	[Leukemia Mononuclear TGLs = 7-15]	Leukemia Mononuclear	
* Stomach, Glandular	[Erosion TGLs = 11-10]	Erosion	Mild
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	
* Uterus	[Leukemia Mononuclear TGLs = 9-10]	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 133	TMT: 2	SEX: Female	DAY ON TEST: 633
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	Chronic, Mild
	Nephropathy	
* Liver	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-6]	
* Lung	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5-4+5]	
Lymph Node	Deep Cervical	Leukemia Mononuclear
	Renal	Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 1-14]	
	[Leukemia Mononuclear TGLs = 8-16]	
* Lymph Node, Bronchial	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-7]	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-3]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7-8]	
Mesentery	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 133 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 633
HISTO: 48063

ORGAN AND ACCOUNTABLE SITE STATUS

	[Necrosis TGLs = 6-15]		
* Ovary	Interstit Cell	Hyperplasia	Moderate
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
	[Carcinoma TGLs = 2-3]		
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 134	TMT: 2	SEX: Female	DAY ON TEST: 528
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 2-7]		
* Ovary	Interstitial Cell	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 135 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Clitoral Gland Hyperplasia Mild
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Liver Basophilic Focus Vacuolization Cytoplasmic Mild
* Lung Alveolar Epith Hyperplasia Mild
* Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2,3-14+15+16+17]
* Nose Olfactory Epi Metaplasia Respiratory, Mild
* Pituitary Gland Pars Distalis Cyst
[Cyst TGLs = 4-10]
* Spleen Hematopoietic Cell Proliferation Mild
* Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 136 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 409
HISTO: 48066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Lymph Node, Mediastinal
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Liver
- * Mammary Gland
- * Pituitary Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Bone Marrow
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lung
- * Ovary
- * Salivary Glands
- * Thymus
- * Uterus
- * Clitoral Gland
- * Heart
- * Intestine Small, Duodenum
- * Kidney
- * Lymph Node, Bronchial
- * Pancreas
- * Skin
- * Thyroid Gland

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | |
|---------------------------------|------------------|--------------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Brain | Inflammation | Chronic Active, Moderate |
| * Lymph Node, Mesenteric | Hyperplasia | Lymphoid, Mild |
| Mesentery | Necrosis | Mild |
| [Necrosis TGLs = 3-14] | | |
| * Nose | Nasolacrim Dct | Inflammation |
| * Spleen | Accessory Spleen | Chronic Active, Mild |
| [Accessory Spleen TGLs = 6-6] | | |

PRIMARY CAUSE OF DEATH - Brain Inflammation

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 137 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 580 HISTO: 48067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus Leukemia Mononuclear Vacuolization Cytoplasmic Mild
[Vacuolization Cytoplasmic TGLs = 5-6]
* Lung Alveolus Infiltration Cellular Histiocyte, Mild
[Infiltration Cellular TGLs = 4-14]
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-15]
* Ovary Interstit Cell Hyperplasia Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
* Spleen Hematopoietic Cell Proliferation Leukemia Mononuclear Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 138 TMT: 2 SEX: Female DAY ON TEST: 731
 DOSE: CONTROL DISP: Terminal Sacrifice HISTO: 48068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Hyperplasia	Mild
* Brain	Compression	Moderate
* Clitoral Gland	Cyst	
* Eye	Cataract	Moderate
[Cataract TGLs = 1-13]		
* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Chronic, Moderate
* Liver	Basophilic Focus	
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLs = 2,3-14+15]		
* Nose	Accumulation, Hyaline Droplet	Minimal
* Ovary	Hyperplasia	Moderate
* Pituitary Gland	Adenoma	
[Adenoma TGLs = 4-10]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 139 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex * Adrenal Medulla * Bone * Bone Marrow
* Brain * Esophagus * Eye * Harderian Gland
* Intestine Large, Cecum * Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum
* Intestine Small, Ileum * Intestine Small, Jejunum * Islets, Pancreatic * Larynx
* Lymph Node, Mesenteric * Mammary Gland * Pancreas * Salivary Glands
* Stomach, Forestomach * Stomach, Glandular * Thymus * Trachea
* Urinary Bladder

MISSING

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

INSUFFICIENT TISSUE

- * Parathyroid Gland

OBSERVATIONS

- * Clitoral Gland Adenoma
* Heart Cardiomyopathy Moderate
* Kidney Nephropathy Chronic, Mild
* Liver Basophilic Focus Marked
Hepatodiaphragmatic Nodule Mild
Vacuolization Cytoplasmic
[Hepatodiaphragmatic Nodule TGLs = 3-6]
* Lung Alveolar Epith Hyperplasia Minimal
Mesentery Necrosis Moderate
[Necrosis TGLs = 4-14]
* Nose Epithelium, Nasolacrim Dct Hyperplasia Mild
Nasolacrim Dct Inflammation Chronic Active, Mild
Inflammation Chronic Active, Mild
* Ovary Cyst
[Cyst TGLs = 1-9]
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 6-10]
* Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 139 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48069

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLs = 5-14]

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

[Polyp Stromal TGLs = 2-10]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 140 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Larynx | * Lung | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-------------------------------|-----------------------------|---------------------------------|
| * Heart | | Cardiomyopathy | Moderate |
| * Liver | | Basophilic Focus | |
| * Nose | Glands, Respirat Epith | Hyperplasia
Inflammation | Minimal
Chronic Active, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLs = 2-10] | | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 141	TMT: 2	SEX: Female	DAY ON TEST: 731
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Clitoral Gland	Adenoma	
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Basophilic Focus Leukemia Mononuclear	
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLs = 1-14]		
* Pituitary Gland	Pars Distalis Adenoma	
[Adenoma TGLs = 2-10]		
* Spleen	Leukemia Mononuclear	

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 142	TMT: 2	SEX: Female	DAY ON TEST: 673
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|------------------------------------------|-----------------------------------------------|-------------------|
| * Brain | Compression | Moderate |
| * Heart | Cardiomyopathy
Mesothelioma Benign | Mild |
| [Mesothelioma Benign TGLs = 1-6] | | |
| * Kidney | Nephropathy | Chronic, Moderate |
| * Liver | Basophilic Focus
Vacuolization Cytoplasmic | Mild |
| [Vacuolization Cytoplasmic TGLs = 4-6] | | |
| * Lung | Mesothelioma Benign | |
| * Mammary Gland | Fibroadenoma | Multiple |
| [Fibroadenoma TGLs = 3-14] | | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 5-15] | | |
| * Pituitary Gland Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-10] | | |
| * Thyroid Gland C Cell | Hyperplasia | Mild |
| * Uterus Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 143 TMT: 2 SEX: Female DAY ON TEST: 635
 DOSE: CONTROL DISP: Moribund Sacrifice HISTO: 48073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|--------------------------|----------------------------------------|------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| | Leukemia Mononuclear | |
| * Adrenal Medulla | Leukemia Mononuclear | |
| * Heart | Cardiomyopathy | Moderate |
| * Kidney | Leukemia Mononuclear | |
| | Nephropathy | Chronic, Minimal |
| * Liver | Leukemia Mononuclear | |
| | Mixed Cell Focus | |
| | [Leukemia Mononuclear TGLs = 7-6] | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| * Mammary Gland | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2-15+16+18] | |
| * Pituitary Gland | Pars Distalis | |
| | [Adenoma TGLs = 3-10] | |
| * Skin | Subcut Tiss | |
| | [Fibrosarcoma TGLs = 8-17] | |
| * Spleen | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5,6-14] | |
| * Uterus | Polyp Stromal | |
| | [Polyp Stromal TGLs = 4-10] | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	143	TMT:	2
		DOSE:	CONTROL

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	635
HISTO:	48073

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 144 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Marked
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus
* Lung Alveolar Epith Hyperplasia Minimal
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-14]
Mesentery Necrosis Moderate
[Necrosis TGLs = 3,4-16+17]
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 5-10]
* Thyroid Gland Bilateral, C Cell Adenoma
* Uterus Polyp Stromal
[Polyp Stromal TGLs = 2-15]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 145 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular * Lymph Node, Mediastinal * Thymus

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Heart Cardiomyopathy Mild
Leukemia Mononuclear
* Liver Leukemia Mononuclear
* Lung Leukemia Mononuclear
Lymph Node Renal Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-15]
* Lymph Node, Mesenteric Leukemia Mononuclear
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-16]
* Nose Olfactory Epi Accumulation, Hyaline Droplet Mild
* Pancreas Acinus Atrophy Mild
* Pituitary Gland Pars Distalis Hyperplasia Mild
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-14]
* Thyroid Gland C Cell Hyperplasia Moderate
* Uterus Polyp Stromal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 146 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 659
HISTO: 48076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mediastinal
- * Skin
- * Thymus
- * Uterus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Spleen
- * Thyroid Gland
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
- * Mammary Gland Adenoma
- [Adenoma TGLs = 1-7]
- * Ovary Interstit Cell Hyperplasia Moderate
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 4-10]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 147 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 643
HISTO: 48077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
[Necrosis TGLs = 9-7]
Leukemia Mononuclear Necrosis Marked
- * Adrenal Medulla
Leukemia Mononuclear Necrosis Mild
- * Bone Marrow
Leukemia Mononuclear
- * Brain
[Hemorrhage TGLs = 6-1]
Hemorrhage Mild
- * Heart
Cardiomyopathy Mild
Leukemia Mononuclear
- * Kidney
Nephropathy Chronic, Mild
- * Liver
[Inflammation TGLs = 10-7]
Inflammation Granulomatous, Moderate
Leukemia Mononuclear
- * Lung
Lymph Node Deep Cervical
[Leukemia Mononuclear TGLs = 5-14]
Leukemia Mononuclear
- * Mammary Gland
[Fibroadenoma TGLs = 3-15]
Fibroadenoma
- Oral Mucosa
Foreign Body
- * Pituitary Gland Pars Distalis
[Adenoma TGLs = 7-10]
Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	147	TMT:	2	SEX:	Female	DAY ON TEST:	643
		DOSE:	CONTROL	DISP:	Moribund Sacrifice	HISTO:	48077

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear	
* Stomach, Forestomach	Ulcer	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 148 TMT: 2 DOSE: CONTROL

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Clitoral Gland Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus Fibrosis Mild
- * Nose Olfactory Epi Metaplasia Respiratory, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 149	TMT: 2	SEX: Female	DAY ON TEST: 513
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 48079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal	* Thymus
-------------------------	--------------------------	---------------------------	----------

OBSERVATIONS

* Intestine Large, Cecum	Serosa	Inflammation	Moderate
* Intestine Large, Colon	Serosa	Inflammation	Moderate
* Intestine Small, Duodenum	Serosa	Inflammation	Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-6]		
* Lung		Inflammation	Mild
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 6,7-14+15]		
* Ovary		Cyst	
		Inflammation	Marked
	[Cyst TGLs = 5-9]		
* Pancreas		Inflammation	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Cyst TGLs = 4-10]		
Skeletal Muscle	Fat	Necrosis	Moderate
	[Necrosis TGLs = 10-17]		
* Skin	Subcut Tiss	Inflammation	Mild
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Forestomach	Serosa	Inflammation	Mild
		Ulcer	Moderate
	[Ulcer TGLs = 9-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 149 TMT: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 513
HISTO: 48079

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Inflammation	Serosa TGLs = 11-10+16]	Inflammation	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 150	TMT: 2	SEX: Female	DAY ON TEST: 731
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 48080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-------------------------|----------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| * Eye | Lens | Cataract | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Larynx | | Foreign Body | |
| * Liver | | Basophilic Focus | |
| | | Mixed Cell Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| * Nose | Nasolacrim Dct | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Adenoma | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 301 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart
- * Kidney
- * Liver
- * Lung
- * Nose
- * Spleen
- * Thyroid Gland
- Cardiomyopathy
- Nephropathy
- Clear Cell Focus
- Hyperplasia
- Hyperplasia
- Hematopoietic Cell Proliferation
- Hyperplasia
- Mild
- Chronic, Moderate
- Moderate
- Mild
- Mild
- Moderate

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 302 TMT: 4 DOSE: 16 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 640 HISTO: 48332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Eye [Cataract TGLs = 3-13] Lens Cataract Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus
- * Mammary Gland [Fibroadenoma TGLs = 1-15+16] Fibroadenoma Multiple
- Mesentery [Necrosis TGLs = 6-14] Necrosis Moderate
- * Nose Respirat Epith Foreign Body Moderate
Olfactory Epi Hyperplasia Basal Cell, Minimal
Respirat Epith Inflammation Chronic Active, Mild
Metaplasia Squamous, Mild
- * Ovary [Cyst TGLs = 5-9] Cyst
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 7-1+10+14]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Moderate
[Hyperplasia TGLs = 2-3]
- * Uterus Cervix Granular Cell Tumor Benign

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 302 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 640
HISTO: 48332

ORGAN AND ACCOUNTABLE SITE STATUS

[Granular Cell Tumor Benign TGLs = 4-10]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 303 TMT: 4 DOSE: 16 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 695 HISTO: 48333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Clitoral Gland Adenoma
- [Adenoma TGLs = 1-9]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- Hepatodiaphragmatic Nodule Moderate
- [Hepatodiaphragmatic Nodule TGLs = 5-14]
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 2-15+16+17]
- * Nose Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 4-10]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma
 CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 304 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * 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 |

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------|---------------|------------------|-----------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst TGLs = 1-10] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	305	TMT:	4	SEX:	Female	DAY ON TEST:	628
		DOSE:	16 PPM	DISP:	Natural Death	HISTO:	48335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Large, Colon	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 5-14]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 2,4-14+15]		
* Nose	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus	Cervix	Polyp Stromal	
	[Polyp Stromal TGLs = 1-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 305 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 628
HISTO: 48335

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 306	TMT: 4	SEX: Female	DAY ON TEST: 627
	DOSE: 16 PPM	DISP: Moribund Sacrifice	HISTO: 48336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Mammary Gland |
| * Ovary | * Salivary Glands | * Skin | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|--------------------------------------|----------------------|------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Infarct | |
| | | Nephropathy | Chronic, Minimal |
| | [Infarct TGLs = 2-7] | | |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-6] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-3] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 5-14] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 306 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 627
HISTO: 48336

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 1-14]		
* Stomach, Forestomach	Ulcer	Moderate
* Stomach, Glandular	Erosion	Mild
[Erosion TGLs = 7-10]		
* Thyroid Gland	C Cell	
[Adenoma TGLs = 6-3]	Adenoma	
* Uterus	Endometrium	Hyperplasia
		Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 307 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|---------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Adenoma | |
| * Uterus | | Polyp Stromal | |
- [Polyp Stromal TGLs = 1-14]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 308 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 731
HISTO: 48338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|----------------------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Brain | | Compression | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Larynx | | Foreign Body | |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2-14] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 309 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------|------------------|---------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14+15] | | |
| * Nose | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 310	TMT: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Clitoral Gland [Papilloma TGLs = 2-9]	Papilloma	
* Heart	Cardiomyopathy	Mild
* Liver	Basophilic Focus Leukemia Mononuclear Mixed Cell Focus	
* Lymph Node, Mediastinal	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland [Fibroadenoma TGLs = 1,3-9+14+15+16+17]	Fibroadenoma	Multiple
* Nose Glands, Respirat Epith Olfactory Epi Glands, Olfactory Epi	Hyperplasia Hyperplasia Hyperplasia	Minimal Basal Cell, Minimal Minimal
* Pituitary Gland [Adenoma TGLs = 4-10] Pars Distalis	Adenoma	
* Spleen	Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 311	TMT: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-------------------|-----------------------------------------|--------------------------------|
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Minimal |
| * Liver | Basophilic Focus
Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 4-6] | |
| * Lung | Alveolar Epith | Moderate |
| * Mammary Gland | Carcinoma
Fibroadenoma | |
| | [Carcinoma TGLs = 1-9] | |
| | [Fibroadenoma TGLs = 2-14] | |
| Mesentery | Necrosis | Moderate |
| | [Necrosis TGLs = 5-14] | |
| * Nose | Glands, Respirat Epith
Olfactory Epi | Minimal
Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis
Adenoma | |
| | [Adenoma TGLs = 3-10] | |
| * Spleen | Capsule
Fibrosis | Minimal |
| | [Fibrosis TGLs = 6-6] | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 312 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 556
HISTO: 48342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------|-----------------------------------------------------------|-------------------------------------------|----------------------------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Bone Marrow | Erythroid Cell | Hyperplasia | Moderate |
| * Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 2-15] | | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia | Mild
Minimal
Basal Cell, Minimal |
| * Pituitary Gland | | Hemorrhage | Moderate |
| | [Hemorrhage TGLs = 1-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach | | Ulcer | Moderate |
| | [Ulcer TGLs = 7-10] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | | Sarcoma Stromal | |
| | [Sarcoma Stromal TGLs = 3-14] | | |

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 313	TMT: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Clitoral Gland	Papilloma	
[Papilloma TGLs = 1-15]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Basophilic Focus	
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLs = 2-14]		
Mesentery	Necrosis	Moderate
[Necrosis TGLs = 4-15]		
* Nose	Respirat Epith Glands, Respirat Epith	Hyperplasia Hyperplasia Inflammation
		Minimal Minimal Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 5-10]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLs = 3-10]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 314 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Stomach, Forestomach
- * Urinary Bladder

- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus

- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Thymus

- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Skin
- * Trachea

MISSING

- * Clitoral Gland

- * Lymph Node, Bronchial

- * Lymph Node, Mandibular

- * Lymph Node, Mediastinal

OBSERVATIONS

- | | | | |
|-------------------|-----------------------------------|----------------------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Brain | | Compression | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 1,2-14+15] | | |
| * Nose | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Minimal |
| * Ovary | Interstit Cell | Hyperplasia | Marked |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 3-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 315 TMT: 4 DOSE: 16 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Thymus
- * Uterus
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Thyroid Gland
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Ovary
- * Stomach, Forestomach
- * Trachea
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Stomach, Glandular
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Clitoral Gland
- * Heart
- * Kidney
- * Liver
- * Lymph Node, Mesenteric
- * Nose
- * Pituitary Gland
- * Skin
- * Spleen
- Schwannoma Malignant
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Infiltration Cellular
- Hyperplasia
- Adenoma
- Schwannoma Malignant
- Hematopoietic Cell Proliferation
- Metastatic (Skin)
- Mild
- Chronic, Mild
- Histiocyte, Mild
- Minimal
- Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 316 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Mixed Cell Focus
- * Lymph Node, Mesenteric Angiectasis Moderate
- Mesentery Necrosis Moderate
- [Necrosis TGLs = 3-14]
- * Nose Respirat Epith Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Minimal
- Glands, Olfactory Epi Hyperplasia Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Thyroid Gland C Cell Adenoma
- [Adenoma TGLs = 1-3]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 317 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 617
HISTO: 48347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Heart
- * Intestine Small, Duodenum
- * Larynx
- * Mammary Gland
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Liver
- * Nose
- * Pituitary Gland
- * Stomach, Glandular
- * Bone
- * Eye
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lung
- * Ovary
- * Salivary Glands
- * Thyroid Gland
- * Brain
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mediastinal
- * Pancreas
- * Skin
- * Trachea

MISSING

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

OBSERVATIONS

- * Bone Marrow Erythroid Cell Hyperplasia Moderate
 - * Kidney Nephropathy Chronic, Minimal
 - * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
 - * Spleen Hematopoietic Cell Proliferation Marked
 - * Uterus Polyp Stromal
- [Polyp Stromal TGLs = 1,2-10+14]

PRIMARY CAUSE OF DEATH - Uterus Polyp Stromal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 318 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Clitoral Gland [Adenoma TGLs = 1-9] Adenoma
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Mammary Gland [Fibroadenoma TGLs = 2-14] Adenoma
Fibroadenoma
- Mesentery [Necrosis TGLs = 4-15] Necrosis Moderate
- * Nose Respirat Epith Glands, Respirat Epith Hyperplasia Minimal
Hyperplasia Minimal
Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis [Adenoma TGLs = 3-10] Adenoma
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Mild
- * Uterus [Hemorrhage TGLs = 5-10] Hemorrhage Marked

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 319	TMT: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------|-----------------------------------------|--------------------------------------|-----------------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Clitoral Gland | | Papilloma | |
| | [Papilloma TGLs = 1-14] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Larynx | | Foreign Body Inflammation | Chronic Active, Moderate |
| * Liver | | Basophilic Focus
Mixed Cell Focus | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Nose | Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia | Mild
Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 320	TMT: 4	SEX: Female	DAY ON TEST: 730
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-----------------------------------------|----------------------------|--------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain | | Compression | Mild |
| * Clitoral Gland | | Papilloma | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Nose | Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia | Minimal
Basal Cell, Minimal |
| * Ovary | | Cyst | |
| | [Cyst TGLs = 2-9] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 321 TMT: 4 SEX: Female DAY ON TEST: 677
 DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Papilloma	
	[Papilloma TGLs = 1-9]		
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]		
* Lung		Leukemia Mononuclear	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLs = 5-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-6, 3-14]		
* Uterus		Fibrosis	Mild
	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 321 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 677
HISTO: 48351

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 322 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|------------------|-----------------------------------------------------------|-------------------------------------------|-------------------------------------------|
| * Clitoral Gland | | Inflammation | Chronic Active, Mild |
| * Eye | Lens | Cataract | Moderate |
| | [Cataract TGLs = 1-13] | | |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| | [Leukemia Mononuclear TGLs = 2-6] | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia | Minimal
Minimal
Basal Cell, Minimal |
| * Spleen | | Leukemia Mononuclear | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 323 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Heart	Cardiomyopathy Leukemia Mononuclear	Mild
* Kidney	Nephropathy	Chronic, Minimal
* Liver	Eosinophilic Focus Leukemia Mononuclear	
	[Eosinophilic Focus TGLs = 7-14] [Leukemia Mononuclear TGLs = 4-6]	
* Lung	Alveolar Epith Hyperplasia Leukemia Mononuclear	Moderate
	[Hyperplasia TGLs = 6-5]	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Mammary Gland	Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-14+15]	
* Nose	Respirat Epith Glands, Respirat Epith	Mild Minimal Chronic Active, Mild
* Pituitary Gland	Pars Distalis Adenoma	
	[Adenoma TGLs = 5-10]	
* Spleen	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-6]	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 324 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Stomach, Glandular
- * Uterus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Ovary
- * Skin
- * Thymus
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Spleen
- * Trachea

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
- * Liver Basophilic Focus
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Moderate
- Mesentery Necrosis Moderate
- [Necrosis TGLs = 1-14]
- * Nose Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 325 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 705
HISTO: 48355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|---------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lymph Node, Mediastinal | * Mammary Gland |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|----------------------------|----------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain | | Compression | Moderate |
| * Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Moderate |
| * Liver | | Basophilic Focus | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 4-5] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 1-15] | | |
| * Nose | Respirat Epith | Foreign Body | |
| | Glands, Respirat Epith | Hyperplasia | Moderate |
| | Olfactory Epi | Hyperplasia | Minimal |
| | Glands, Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | | Inflammation | Mild |
| | | | Chronic Active, Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | | Hemorrhage | Marked |
| | [Hemorrhage TGLs = 2-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 325 TMT: 4
 DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 705
HISTO: 48355

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Cervix	Polyp Stromal	
[Polyp Stromal	TGLs = 3-14]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Hemorrhage

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 326 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Angiectasis Basophilic Focus	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia	Minimal Basal Cell, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
	[Hyperplasia TGLs = 2-14]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 327 TMT: 4 SEX: Female DAY ON TEST: 701
 DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Angiectasis Basophilic Focus	Mild
	[Angiectasis TGLs = 2-14]		
* Nose	Glands Glands, Respirat Epith Olfactory Epi	Carcinoma Hyperplasia Hyperplasia	Minimal Basal Cell, Minimal
* Ovary	Interstit Cell	Hyperplasia	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis [Adenoma TGLs = 1-10]	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 328 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Minimal
- * Heart Cardiomyopathy Mild
- * Liver Basophilic Focus
Clear Cell Focus
Hepatodiaphragmatic Nodule Marked
Leukemia Mononuclear
- [Hepatodiaphragmatic Nodule TGLs = 3-14]
- * Lymph Node, Bronchial Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-15]
- * Mammary Gland Carcinoma
[Carcinoma TGLs = 1-14]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
Glands, Olfactory Epi Hyperplasia Minimal
- * Ovary Interstit Cell Hyperplasia Moderate
- * Pituitary Gland Pars Distalis Adenoma
Hemorrhage Marked
[Adenoma TGLs = 4-10]
[Hemorrhage TGLs = 4-10]
- * Spleen Leukemia Mononuclear
- * Thyroid Gland C Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 329 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- Mesentery Necrosis Moderate
[Necrosis TGLs = 4-14]
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
Foreign Body
- Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
Inflammation Chronic Active, Moderate
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
- * Spleen Leukemia Mononuclear
- * Thyroid Gland C Cell Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	329	TMT:	4
		DOSE:	16 PPM

SEX:	Female
DISP:	Terminal Sacrifice

DAY ON TEST:	731
HISTO:	48359

ORGAN AND ACCOUNTABLE SITE STATUS

Follicular Cel

Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 330 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Heart
- * Kidney
- * Nose
- * Pituitary Gland
- * Spleen
- * Thyroid Gland
- Cardiomyopathy
- Nephropathy
- Accumulation, Hyaline Droplet
- Hyperplasia
- Hyperplasia
- Adenoma
- Hematopoietic Cell Proliferation
- Hyperplasia
- Mild
- Chronic, Mild
- Minimal
- Minimal
- Basal Cell, Minimal
- Mild
- Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 331 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pituitary Gland
- * Stomach, Glandular
- * Uterus
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Salivary Glands
- * Thymus
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mesenteric
- * Skin
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Angiectasis Moderate
- Basophilic Focus
- Leukemia Mononuclear
- [Angiectasis TGLs = 3-14]
- [Leukemia Mononuclear TGLs = 1-6]
- * Lung Alveolar Epith Hyperplasia Minimal
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 2-14]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
- Glands, Olfactory Epi Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Inflammation Chronic Active, Mild
- * Ovary Interstit Cell Hyperplasia Moderate
- * Pancreas Acinus Atrophy Minimal
- * Spleen Hematopoietic Cell Proliferation Mild
- Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 332 TMT: 4 SEX: Female DAY ON TEST: 730
 DOSE: 16 PPM DISP: Terminal Sacrifice HISTO: 48362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicular Cel	Carcinoma	
	[Carcinoma TGLs = 1-3]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 333	TMT: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
	[Adenoma TGLs = 6-7]	Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-14+15]		
* Nose	Nasolacrim Dct	Inflammation	Chronic Active, Mild
* Ovary	Interstit Cell	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Hemorrhage	Marked
	[Hemorrhage TGLs = 5-10]		

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 334 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Salivary Glands
- * Thyroid Gland
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Skin
- * Trachea
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Ovary
- * Stomach, Forestomach
- * Urinary Bladder
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
Leukemia Mononuclear
Vacuolization Cytoplasmic
Mild
- * Adrenal Medulla
Leukemia Mononuclear
- * Bone Marrow
Leukemia Mononuclear
- * Heart
Cardiomyopathy
Leukemia Mononuclear
Minimal
- * Kidney
Leukemia Mononuclear
- * Liver
Leukemia Mononuclear
- * Lung
[Leukemia Mononuclear TGLs = 5-6]
Alveolar Epith
Hyperplasia
Leukemia Mononuclear
Mild
- * Lymph Node, Mesenteric
[Hyperplasia TGLs = 3-5]
Leukemia Mononuclear
- * Mammary Gland
[Fibroadenoma TGLs = 1-15]
Fibroadenoma
- * Nose
Olfactory Epi
Glands, Respirat Epith
Olfactory Epi
Accumulation, Hyaline Droplet
Hyperplasia
Hyperplasia
Minimal
Minimal
Basal Cell, Minimal
- * Pancreas
Acinus
Atrophy
Minimal
- * Pituitary Gland
Pars Distalis
Adenoma
Leukemia Mononuclear
- * Spleen
[Adenoma TGLs = 2-10]
Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 334 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48364

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 4-14]

* Thymus

Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 335 TMT: 4 SEX: Female DAY ON TEST: 558
 DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow	Erythroid Cell	Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLs = 4,6-7]		
* Liver		Angiectasis Basophilic Focus	Moderate
	[Angiectasis TGLs = 3-6]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
	[Hemorrhage TGLs = 5-8]		
* Nose	Olfactory Epi Respirat Epith Glands, Respirat Epith Olfactory Epi	Accumulation, Hyaline Droplet Hyperplasia Hyperplasia Hyperplasia	Mild Mild Mild Basal Cell, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 336 TMT: 4 SEX: Female DAY ON TEST: 693
 DOSE: 16 PPM DISP: Natural Death HISTO: 48366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------|-------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Clitoral Gland |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

MISSING

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

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|--------------------------|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Nose | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------|----------------------------------|---------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Brain | | Compression | Moderate |
| * Heart | | Cardiomyopathy | Moderate |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Adenoma | |
| * Uterus | | Sarcoma Stromal | |
| | [Sarcoma Stromal TGLs = 1-10] | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 337	TMT: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 16 PPM	DISP: Terminal Sacrifice	HISTO: 48367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lung | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|-----------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| | [Basophilic Focus TGLs = 2-6] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14+15] | | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia
Inflammation | Minimal
Minimal
Basal Cell, Minimal
Chronic Active, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 338 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Stomach, Forestomach
- * Trachea
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Mammary Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Thymus
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mediastinal
- * Salivary Glands
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Mild
- * Clitoral Gland Inflammation Chronic Active, Minimal
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Nose Respirat Epith Hyperplasia Mild
- * Ovary Interstit Cell Cyst Hyperplasia Moderate
- [Cyst TGLs = 3-9]
- * Pancreas Acinus Atrophy Moderate
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Skin Ulcer Mild
- [Ulcer TGLs = 1-14]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Uterus Polyp Stromal

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	339	TMT:	4	SEX:	Female	DAY ON TEST:	731
		DOSE:	16 PPM	DISP:	Terminal Sacrifice	HISTO:	48369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|-----------------------------------------------------------|-------------------------------------------|----------------------------------------|
| * Adrenal Cortex | | Adenoma | |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| * Lung | Alveolar Epith
Alveolus | Hyperplasia | Mild |
| | [Infiltration Cellular TGLs = 2-14] | Infiltration Cellular | Histiocyte, Moderate |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 3-14] | | |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia | Minimal
Mild
Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | [Cyst TGLs = 1-10] | | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 340 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 575
HISTO: 48370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

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

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Small, Jejunum |
|--------------------------|----------------------------|

OBSERVATIONS

- | | | |
|-----------------|---------------------------------------|------------------|
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Minimal |
| * Liver | Basophilic Focus
Necrosis | Moderate |
| | [Necrosis TGLs = 3-6] | |
| * Mammary Gland | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14+15+16+17] | |
| * Nose | Respirat Epith | Minimal |
| * Spleen | Hematopoietic Cell Proliferation | Marked |
| * Uterus | Polyp Stromal | |
| | [Polyp Stromal TGLs = 2-10] | |

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 341 TMT: 4 DOSE: 16 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Clitoral Gland Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Larynx Foreign Body
- * Liver Basophilic Focus
Clear Cell Focus
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 4-6]
- * Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2-14+15]
- * Nose Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Inflammation Chronic Active, Minimal
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Hemorrhage Moderate
[Hemorrhage TGLs = 3-10]
- * Spleen Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 342 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 543
HISTO: 48372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Larynx |
| * Liver | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------------|------------------------------------------|----------------------------|--------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Nose | Respirat Epith
Glands, Respirat Epith | Hyperplasia
Hyperplasia | Minimal
Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 2-10] | | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 343 TMT: 4 SEX: Female DAY ON TEST: 516
DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Lymph Node, Mediastinal * Thymus

OBSERVATIONS

* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLs = 1-15]		
Mesentery	Necrosis	Mild
[Necrosis TGLs = 4-16]		
* Pituitary Gland Pars Distalis	Adenoma	
[Adenoma TGLs = 2-10]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-14]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 344 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 725
HISTO: 48374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|----------------------------------------------------|----------------------------------|---------------------|
| * Adrenal Cortex | Necrosis | Moderate |
| * Heart | Cardiomyopathy | Moderate |
| * Intestine Large, Cecum
[Ulcer TGLs = 4-17] | Ulcer | Moderate |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Vacuolization Cytoplasmic | Moderate |
| * Mammary Gland
[Fibroadenoma TGLs = 1-15+16] | Fibroadenoma | |
| * Nose | Foreign Body | |
| | Respirat Epith | Mild |
| | Glands, Respirat Epith | Mild |
| | Olfactory Epi | Basal Cell, Minimal |
| * Pituitary Gland
[Hemorrhage TGLs = 2-10] | Hemorrhage | Moderate |
| * Spleen | Hematopoietic Cell Proliferation | Moderate |
| * Stomach, Forestomach
[Ulcer TGLs = 5-14] | Ulcer | Mild |

PRIMARY CAUSE OF DEATH - Intestine Large, Cecum Ulcer
 CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 345 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 719
HISTO: 48375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Stomach, Glandular
- * Urinary Bladder
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Thymus
- * Uterus
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Thyroid Gland
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Hyperplasia Mild
- * Bone Marrow Leukemia Mononuclear
- * Brain Compression Moderate
- * Clitoral Gland Adenoma
- [Adenoma TGLs = 4-17]
- * Heart Leukemia Mononuclear
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 7-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Mammary Gland Galactocele Marked
- [Galactocele TGLs = 2-16]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
- * Ovary Interstit Cell Hyperplasia Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]
- * Skin Keratoacanthoma
- [Keratoacanthoma TGLs = 1-15]
- * Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 345 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 719
HISTO: 48375

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 5-14]
* Stomach, Forestomach Ulcer Marked
[Ulcer TGLs = 6-18]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	346	TMT:	4
		DOSE:	16 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	705
HISTO:	48376

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 347 TMT: 4 SEX: Female DAY ON TEST: 645
 DOSE: 16 PPM DISP: Moribund Sacrifice HISTO: 48377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|------------------------------|----------------------------------|---------------------|
| * Adrenal Cortex | Hyperplasia | Moderate |
| * Brain | Compression | Moderate |
| * Eye | Cataract | Moderate |
| | Lens | |
| [Cataract TGLs = 3-13] | | |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| * Lung | Infiltration Cellular | Histiocyte, Mild |
| | Alveolus | |
| * Lymph Node, Mesenteric | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLs = 1-14] | | |
| * Nose | Hyperplasia | Minimal |
| | Glands, Respirat Epith | |
| | Olfactory Epi | Basal Cell, Minimal |
| * Pituitary Gland | Adenoma | |
| | Pars Distalis | |
| [Adenoma TGLs = 4-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 348 TMT: 4 DOSE: 16 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Mediastinal | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------|----------------------------------|------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Moderate |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14] | | |
| * Nose | Glands, Respirat Epith | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | Follicular Cel | Adenoma | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 349 TMT: 4
DOSE: 16 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lung Alveolar Epith Hyperplasia Mild
- * Nose Respirat Epith Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Ovary Cyst
- [Cyst TGLs = 2-9]
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Thyroid Gland C Cell Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	350	TMT:	4
		DOSE:	16 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	670
HISTO:	48380

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 502 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 712 HISTO: 48232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Brain Compression Mild
- * Clitoral Gland Inflammation Chronic Active, Minimal
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
- * Liver Basophilic Focus Marked
Hepatodiaphragmatic Nodule
- [Hepatodiaphragmatic Nodule TGLs = 6-7]
- * Mammary Gland Adenoma
Carcinoma
[Adenoma TGLs = 3-15]
[Carcinoma TGLs = 7-14]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 5-10]
- * Thyroid Gland C Cell Carcinoma
[Carcinoma TGLs = 4-3]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 502 TMT: 6
 DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 712
HISTO: 48232

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 503 TMT: 6 SEX: Female DAY ON TEST: 686
 DOSE: 32 PPM DISP: Natural Death HISTO: 48233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Kidney	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic Active, Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Liver		Fibrous Histiocytoma	Metastatic (Skin)
	[Fibrous Histiocytoma TGLs = 5-6]	Leukemia Mononuclear	
* Lung		Fibrous Histiocytoma	Metastatic (Skin)
	[Fibrous Histiocytoma TGLs = 3-4+5]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-15]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	[Cyst TGLs = 4-10]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 6-16]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 503 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 686
HISTO: 48233

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLs = 7-14]	Erosion	Mild

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrous Histiocytoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 504 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 676 HISTO: 48234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Salivary Glands
- * Urinary Bladder
- * Bone Marrow
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Ovary
- * Skin
- * Uterus
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Stomach, Forestomach
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
- * Brain Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 11,12-1]
- * Clitoral Gland Adenoma
- [Adenoma TGLs = 4-9+16]
- * Eye Lens Cataract Moderate
- [Cataract TGLs = 2-13]
- * Heart Leukemia Mononuclear
- * Kidney Leukemia Mononuclear Nephropathy Chronic, Minimal
- * Liver Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 8-6]
- * Lung Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 10-4+5]
- Lymph Node Pancreatic Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- Mesentery Leukemia Mononuclear Necrosis Moderate
- [Leukemia Mononuclear TGLs = 6-14]
- [Necrosis TGLs = 9-16]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 504 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 676
HISTO: 48234

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Olfactory Epi Glands, Respirat Epith Olfactory Epi	Atrophy Hyperplasia Hyperplasia	Mild Minimal Basal Cell, Minimal
* Pituitary Gland	Pars Distalis [Hyperplasia TGLs = 3-10]	Hyperplasia	Mild
* Spleen	[Leukemia Mononuclear TGLs = 5,6,7-14+15]	Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 505	TMT: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	[Leukemia Mononuclear TGLs = 2-6]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi Glands, Respirat Epith Olfactory Epi	Atrophy Hyperplasia Hyperplasia	Moderate Minimal Basal Cell, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-14]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 506 TMT: 6 SEX: Female DAY ON TEST: 663
 DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Leukemia Mononuclear	
	[Thrombosis TGLs = 2-6]	Thrombosis	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	[Leukemia Mononuclear TGLs = 5-6]	Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
	[Hemorrhage TGLs = 1-4]	Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Respirat Epith	Hyperplasia	Mild
* Ovary		Cyst	
	[Cyst TGLs = 3-9]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 506 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 663
HISTO: 48236

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 507 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 652 HISTO: 48237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Ovary
- * Salivary Glands
- * Spleen
- * Trachea
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- Skeletal Muscle
- * Stomach, Forestomach
- * Urinary Bladder
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Skin
- * Stomach, Glandular
- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- Peripheral Nerve
- Spinal Cord
- * Thymus

MISSING

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

OBSERVATIONS

- * Clitoral Gland Inflammation Chronic Active, Minimal
- * Eye Lens Cataract Moderate
- [Cataract TGLs = 5,6-13]
- * Heart Cardiomyopathy Minimal
- * Kidney Bilateral Hydronephrosis Mild
- [Hydronephrosis TGLs = 4-7] Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lung Alveolar Epith Hyperplasia Mild
- * Mammary Gland Fibroadenoma Fibroadenoma
- [Fibroadenoma TGLs = 1-14]
- * Nose Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- Olfactory Epi Inflammation Chronic Active, Minimal
- Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 7-10]
- * Thyroid Gland C Cell Hyperplasia Mild
- * Uterus Endometrium Hyperplasia Cystic, Mild
- [Hyperplasia TGLs = 3-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 507 **TMT:** 6
 DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 652
HISTO: 48237

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 508 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex * Adrenal Medulla * Bone * Bone Marrow
* Brain * Clitoral Gland * Esophagus * Eye
* Harderian Gland * Intestine Large, Cecum * Intestine Large, Colon * Intestine Large, Rectum
* Intestine Small, Duodenum * Intestine Small, Ileum * Intestine Small, Jejunum * Islets, Pancreatic
* Larynx * Lymph Node, Mesenteric * Ovary * Parathyroid Gland
* Salivary Glands * Skin * Stomach, Forestomach * Stomach, Glandular
* Thymus * Thyroid Gland * Trachea * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus
Clear Cell Focus
Leukemia Mononuclear
* Lung Alveolar Epith Hyperplasia Moderate
* Mammary Gland Fibroadenoma TGLs = 4-14 Fibroadenoma
Mesentery Necrosis Moderate
[Necrosis TGLs = 3-14]
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 1-10]
* Spleen Leukemia Mononuclear
* Uterus Polyp Stromal
[Polyp Stromal TGLs = 2-10]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 509	TMT: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Clitoral Gland	Inflammation	Chronic Active, Minimal
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Larynx	Foreign Body	
* Liver	Basophilic Focus	
* Mammary Gland	Epithelium Hyperplasia	Mild
* Nose	Olfactory Epi Atrophy	Moderate
	Foreign Body Inflammation	Suppurative, Minimal
* Ovary	Cyst	
	[Cyst TGLs = 2-9]	
* Pituitary Gland	Pars Distalis Adenoma	
	[Adenoma TGLs = 1-10]	
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Hyperplasia	Mild
* Uterus	Decidual Reaction Polyp Stromal	Marked
	[Decidual Reaction TGLs = 3-14]	
	[Polyp Stromal TGLs = 4-14]	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 510 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 439
HISTO: 48240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial

OBSERVATIONS

- * Liver [Leukemia Mononuclear TGLs = 7-6] Leukemia Mononuclear
- * Lung Leukemia Mononuclear
- Lymph Node Pancreatic Angiectasis Mild
- [Angiectasis TGLs = 9-14]
- Mesentery Necrosis Mild
- [Necrosis TGLs = 3,5,10-14+15]
- * Nose Respirat Epith Hyperplasia Mild
- * Spleen Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 1,2,4-6+14+15]
- * Stomach, Forestomach Ulcer Moderate
- * Uterus Hemorrhage Moderate
- [Hemorrhage TGLs = 8-10]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Liver Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 511 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------------------------|---------------------------------------|--------------------------------------------|
| * Clitoral Gland | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus
Mixed Cell Focus | |
| * Nose | Olfactory Epi
Glands, Respirat Epith
Olfactory Epi | Atrophy
Hyperplasia
Hyperplasia | Moderate
Minimal
Basal Cell, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 512 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Moderate
- * Clitoral Gland Adenoma
- * Heart Cardiomyopathy Minimal
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Hepatodiaphragmatic Nodule Marked
Mixed Cell Focus
- [Hepatodiaphragmatic Nodule TGLs = 1-14]
- * Lung Alveolar Epith Hyperplasia Mild
- * Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 2,3,4,5-9+14+15+16]
- * Nose Glands, Respirat Epith Hyperplasia Minimal
Glands, Olfactory Epi Hyperplasia Minimal
- * Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 513 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 621 HISTO: 48243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Eye * Intestine Large, Rectum * Islets, Pancreatic * Salivary Glands * Thyroid Gland * Brain * Harderian Gland * Intestine Small, Duodenum * Ovary * Skin * Trachea * Clitoral Gland * Intestine Large, Cecum * Intestine Small, Ileum * Pancreas * Stomach, Forestomach * Urinary Bladder * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Parathyroid Gland * Stomach, Glandular

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
* Adrenal Medulla Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Minimal
Leukemia Mononuclear
* Kidney Leukemia Mononuclear
Nephropathy Chronic, Mild
* Larynx Foreign Body
* Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-6]
* Lung Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-4]
* Lymph Node, Mesenteric Leukemia Mononuclear
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-15]
* Nose Olfactory Epi Atrophy Mild
Respirat Epith Foreign Body Mild
Glands, Respirat Epith Hyperplasia Minimal
Inflammation Chronic Active, Mild
* Pituitary Gland Pars Distalis Cyst
[Cyst TGLs = 3-10]
* Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 513 TMT: 6
 DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 621
HISTO: 48243

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 6-14]

* Thymus

Leukemia Mononuclear

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 514 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 708 HISTO: 48244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Harderian Gland * Intestine Small, Duodenum * Kidney * Ovary * Stomach, Forestomach * Trachea * Brain * Intestine Large, Cecum * Intestine Small, Ileum * Larynx * Parathyroid Gland * Stomach, Glandular * Urinary Bladder * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Lymph Node, Mediastinal * Salivary Glands * Thymus * Eye * Intestine Large, Rectum * Islets, Pancreatic * Mammary Gland * Skin * Thyroid Gland

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Adrenal Medulla Hyperplasia Mild
* Bone Marrow Erythroid Cell Hyperplasia Moderate
* Clitoral Gland [Papilloma TGLs = 1-9+15] Papilloma
* Heart Cardiomyopathy Mild
* Liver Basophilic Focus
* Lung Alveolus Infiltration Cellular Histiocyte, Mild
* Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
* Nose Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
* Pancreas Acinus Atrophy Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Spleen Hematopoietic Cell Proliferation Moderate
* Uterus Polyp Stromal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Papilloma

Animal Note: TGL 3 = NCL (No Corresponding Lesion)

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	514	TMT:	6
		DOSE:	32 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	708
HISTO:	48244

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 515 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
[Cataract TGLs = 6-13]
- * Heart Cardiomyopathy Mild
- * Liver Basophilic Focus
Clear Cell Focus
Vacuolization Cytoplasmic Mild
[Vacuolization Cytoplasmic TGLs = 5-6]
- * Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2-14+15]
- * Nose Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Inflammation Chronic Active, Minimal
- * Ovary Cyst Cyst
- * Pituitary Gland Pars Distalis Hyperplasia Mild
- * Spleen Hematopoietic Cell Proliferation Mild
- * Uterus Dilatation Dilatation Marked
[Dilatation TGLs = 4-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	516	TMT:	6	SEX:	Female	DAY ON TEST:	430
		DOSE:	32 PPM	DISP:	Natural Death	HISTO:	48246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Eye	Lens	Cataract	Moderate
	[Cataract TGLs = 1-13]		
* Uterus		Sarcoma Stromal	
	[Sarcoma Stromal TGLs = 2-14]		

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 517 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 48247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------------------------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus
Clear Cell Focus | |
| * Lung | Alveolar Epith
Alveolar Epith | Hyperplasia
Metaplasia | Mild
Squamous, Mild |
| * Nose | Olfactory Epi

Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Atrophy
Foreign Body
Hyperplasia
Hyperplasia
Hyperplasia
Inflammation | Moderate

Minimal
Minimal
Basal Cell, Minimal
Chronic Active, Mild |
| * Pituitary Gland
[Adenoma TGLs = 1-10] | Pars Distalis | Adenoma | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 518 **TMT:** 6 **SEX:** Female **DAY ON TEST:** 549
DOSE: 32 PPM **DISP:** Natural Death **HISTO:** 48248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lung | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- | | | |
|-------------------------|--------------------------|----------|
| * Lymph Node, Bronchial | * Lymph Node, Mandibular | * Thymus |
|-------------------------|--------------------------|----------|

AUTO PRECLUDES DIAG.

- | | |
|--------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum |
|--------------------------|--------------------------|

OBSERVATIONS

- | | | | |
|-------------------|-------------------------|-------------|------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 519 TMT: 6 SEX: Female DAY ON TEST: 682
 DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Clitoral Gland Inflammation Chronic Active, Minimal
- * Kidney Nephropathy Chronic, Moderate
- * Liver Basophilic Focus Inflammation Chronic Active, Mild
- * Lung Alveolar Epith Hyperplasia Minimal
- * Mammary Gland Carcinoma TGLs = 2,5-7+14] Carcinoma
- * Nose Olfactory Epi Atrophy Mild
 Respirat Epith Hyperplasia Minimal
 Glands, Respirat Epith Hyperplasia Minimal
 Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 4-10]
- * Thyroid Gland C Cell Carcinoma
 [Carcinoma TGLs = 3-3]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 520 TMT: 6 SEX: Female DAY ON TEST: 731
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
	[Hyperplasia TGLs = 3-5]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,2-14+15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 521 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 711 HISTO: 48251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Pituitary Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Ovary
- * Salivary Glands
- * Thymus
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Skin
- * Thyroid Gland
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

MISSING

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

OBSERVATIONS

- * Bone Marrow Erythroid Cell Hyperplasia Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus Hepatodiaphragmatic Nodule Moderate
- [Hepatodiaphragmatic Nodule TGLs = 3-7]
- * Lung Alveolar Epith Hyperplasia Mild
- * Mammary Gland Fibroadenoma Multiple
- [Fibroadenoma TGLs = 1-14+15+16+17]
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Minimal
- Olfactory Epi Hyperplasia Basal Cell, Mild
- * Spleen Hematopoietic Cell Proliferation Mild
- * Uterus Cyst
- [Cyst TGLs = 2-10]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 522 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-------------------------|---------------------------------------|-------------------|
| * Adrenal Cortex | Hyperplasia | Mild |
| * Clitoral Gland | Adenoma | |
| * Heart | Cardiomyopathy | Moderate |
| * Islets, Pancreatic | Hyperplasia | Marked |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 2-7] | | |
| * Nose | Respirat Epith Glands, Respirat Epith | Mild |
| | Olfactory Epi | Minimal |
| | Olfactory Epi | Basal Cell, Mild |
| | Olfactory Epi | Respiratory, Mild |
| * Pituitary Gland | Pars Distalis | |
| [Adenoma TGLs = 1-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Mild |
| * Uterus | Endometrium | Cystic, Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 523 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Larynx | * Lung | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------------------------|------------------------------------------|--------------------------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Moderate |
| * Liver | | Basophilic Focus
Mixed Cell Focus | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 2-14] | | |
| * Nose | Glands, Respirat Epith
Olfactory Epi
Olfactory Epi | Hyperplasia
Hyperplasia
Metaplasia | Mild
Basal Cell, Mild
Respiratory, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | | Ulcer | Moderate |
| | [Ulcer TGLs = 4-14] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| Tongue | Epithelium | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 1-7] | | |
| * Uterus | | Hemorrhage | Marked |
| | [Hemorrhage TGLs = 3-10] | | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 524 TMT: 6 SEX: Female DAY ON TEST: 721
 DOSE: 32 PPM DISP: Natural Death HISTO: 48254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone
- * Eye
- * Intestine Small, Duodenum
- * Pancreas
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Islets, Pancreatic
- * Parathyroid Gland
- * Thymus
- * Clitoral Gland
- * Intestine Large, Cecum
- * Larynx
- * Salivary Glands
- * Thyroid Gland
- * Esophagus
- * Intestine Large, Rectum
- * Lymph Node, Mandibular
- * Stomach, Forestomach
- * Trachea

MISSING

- * Lymph Node, Mediastinal

AUTO PRECLUDES DIAG.

- * Intestine Large, Colon
- * Intestine Small, Ileum
- * Intestine Small, Jejunum

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Leukemia Mononuclear
- * Liver Basophilic Focus
- * Lung Leukemia Mononuclear
- * Lymph Node, Bronchial Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 3-14]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Mammary Gland Fibroadenoma Multiple
- [Fibroadenoma TGLs = 1-16]
- Mesentery Necrosis Moderate
- [Necrosis TGLs = 6-14]
- * Nose Olfactory Epi Atrophy Moderate
- Respirat Epith Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 524 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 721
HISTO: 48254

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Ovary	Interstit Cell	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-10]		
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLs = 2-17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,8-15]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 7-18]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 525 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 667 HISTO: 48255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
[Cataract TGLs = 2-13]
- * Heart Cardiomyopathy Minimal
- * Liver Basophilic Focus
Leukemia Mononuclear
- * Lung Alveolar Epith Hyperplasia Mild
- * Mammary Gland Galactocele Marked
[Galactocele TGLs = 1-16]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
- * Ovary Interstit Cell Hyperplasia Mild
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
- * Spleen Hematopoietic Cell Proliferation Mild
Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Minimal
Zymbal's Gland Carcinoma
[Carcinoma TGLs = 3-14+15]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	525	TMT:	6
		DOSE:	32 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	667
HISTO:	48255

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 526 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Heart Cardiomyopathy Mild
Leukemia Mononuclear
* Kidney Nephropathy Chronic, Mild
* Liver Basophilic Focus
Leukemia Mononuclear
* Lung Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 6-15]
* Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Oral Mucosa Squamous Cell Papilloma
[Squamous Cell Papilloma TGLs = 3-16]
* Ovary Cyst
[Cyst TGLs = 5-9]
* Pancreas Acinus Atrophy Moderate
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 526 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48256

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 1,2-14]	
* Thyroid Gland	C Cell	Adenoma
Tissue NOS		Leukemia Mononuclear
	[Leukemia Mononuclear TGLs = 2-14]	

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM:	527	TMT:	6	SEX:	Female	DAY ON TEST:	598
		DOSE:	32 PPM	DISP:	Moribund Sacrifice	HISTO:	48257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Lymph Node, Mediastinal
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OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Compression	Moderate
* Clitoral Gland	Hyperplasia Inflammation	Mild Chronic Active, Mild
* Heart	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear Nephropathy	Chronic, Mild
* Liver	Basophilic Focus Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
Lymph Node	Leukemia Mononuclear	
	Pancreatic [Leukemia Mononuclear TGLs = 10-20]	
* Lymph Node, Bronchial	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-14]	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 9-15]	
* Mammary Gland	Carcinoma Fibroadenoma	Multiple
	[Carcinoma TGLs = 1-16]	
	[Fibroadenoma TGLs = 2,3-17+18+19]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 527 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 598
HISTO: 48257

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 7-15]		
* Nose		Atrophy	Moderate
	Olfactory Epi	Hyperplasia	Minimal
	Glands, Respirat Epith	Hyperplasia	Basal Cell, Mild
	Olfactory Epi		
* Pituitary Gland		Adenoma	
	Pars Distalis		
	[Adenoma TGLs = 8-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 6-14]		
* Uterus		Hemorrhage	Marked
	[Hemorrhage TGLs = 5-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 528 TMT: 6 SEX: Female DAY ON TEST: 731
 DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
	[Adenoma TGLs = 1-14]		
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epith	Hyperplasia Nephropathy	Mild Chronic, Mild
* Liver		Basophilic Focus Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLs = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 4-15]		
* Nose	Olfactory Epi Glands, Respirat Epith	Atrophy Hyperplasia Inflammation	Moderate Mild Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 528 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48258

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Leukemia Mononuclear Hyperplasia	Mild
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TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 529 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 698 HISTO: 48259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Brain Astrocytoma Malignant
- * Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus
- * Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 2-14+15]
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Mild
- * Uterus Endometrium Hyperplasia Cystic, Mild
Polyp Stromal
[Hyperplasia TGLs = 3-16]
[Polyp Stromal TGLs = 4-10]

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	529	TMT:	6
		DOSE:	32 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	698
HISTO:	48259

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 530 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Clear Cell Focus
Hepatodiaphragmatic Nodule
Leukemia Mononuclear Marked
[Clear Cell Focus TGLs = 3-15]
[Hepatodiaphragmatic Nodule TGLs = 2-14]
- * Nose Olfactory Epi Atrophy Mild
Foreign Body
Respirat Epith Hyperplasia Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
Inflammation Chronic Active, Mild
- Oral Mucosa Foreign Body
Ulcer Moderate
- * Spleen Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 531 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Thymus
- * Uterus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Ovary
- * Skin
- * Thyroid Gland
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Stomach, Forestomach
- * Trachea

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- * Lung Alveolar Epith Hyperplasia Minimal
- * Lymph Node, Mesenteric Infiltration Cellular Histiocyte, Mild
- Mesentery Necrosis TGLs = 1-14] Necrosis Moderate
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
- Olfactory Epi Atrophy Moderate
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Inflammation Basal Cell, Mild
- * Pituitary Gland Pars Distalis Adenoma Chronic Active, Minimal
- [Adenoma TGLs = 2-10]
- * Spleen Hematopoietic Cell Proliferation Mild

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 532 TMT: 6 SEX: Female DAY ON TEST: 731
DOSE: 32 PPM DISP: Terminal Sacrifice HISTO: 48262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lymph Node, Bronchial		Angiectasis	Mild
	[Angiectasis TGLs = 1-14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Mild
	Olfactory Epi	Atrophy	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLs = 3-14]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 533	TMT: 6	SEX: Female	DAY ON TEST: 731
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus Clear Cell Focus Leukemia Mononuclear	
* Nose	Olfactory Epi Glands, Respirat Epith Olfactory Epi	Accumulation, Hyaline Droplet Hyperplasia Hyperplasia Inflammation	Mild Mild Basal Cell, Mild Chronic Active, Mild
	Olfactory Epi Olfactory Epi	Metaplasia Necrosis	Respiratory, Mild Mild
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Uterus	[Angiectasis TGLs = 1-14]	Angiectasis	Moderate

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 534 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 696 HISTO: 48264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Ovary
- * Skin
- * Trachea
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Pancreas
- * Stomach, Forestomach
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Thymus

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Bone Marrow Erythroid Cell Hyperplasia Moderate
- * Heart Cardiomyopathy Mild
- * Islets, Pancreatic Hyperplasia Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus Eosinophilic Focus
- [Eosinophilic Focus TGLs = 2-18]
- * Mammary Gland Fibroadenoma Multiple
- [Fibroadenoma TGLs = 1,4-14+15+16+17]
- * Nose Respirat Epith Hyperplasia Mild
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]
- * Spleen Hematopoietic Cell Proliferation Marked
- * Thyroid Gland C Cell Adenoma

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 535 TMT: 6
 DOSE: 32 PPM

SEX: Female
 DISP: Moribund Sacrifice

DAY ON TEST: 537
 HISTO: 48265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Lung | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

OBSERVATIONS

- | | | | |
|-----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus
Leukemia Mononuclear | |
| * Lymph Node, Mediastinal | | Angiectasis | Marked |
| [Angiectasis TGLs = 1-3] | | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Nose | Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Hyperplasia
Hyperplasia
Hyperplasia
Inflammation | Minimal
Minimal
Basal Cell, Mild
Chronic Active, Minimal |
| * Spleen | | Leukemia Mononuclear | |
| Tongue | | Squamous Cell Carcinoma | |
| [Squamous Cell Carcinoma TGLs = 2-14] | | | |

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 536 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 667
HISTO: 48266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Ovary
- * Stomach, Forestomach
- * Urinary Bladder
- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Thyroid Gland
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Skin
- * Trachea

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Clitoral Gland Inflammation Chronic Active, Minimal
- * Heart Cardiomyopathy Mild
- Atrium Thrombosis TGLs = 4-6] Thrombosis Marked
- * Kidney Nephropathy Chronic, Mild
- * Liver Leukemia Mononuclear [Leukemia Mononuclear TGLs = 3-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Respirat Epith Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Hemorrhage Mild
- Pars Distalis Hyperplasia Mild
- [Hemorrhage TGLs = 1-10]
- * Spleen Leukemia Mononuclear [Leukemia Mononuclear TGLs = 2-14]
- * Thymus Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 536 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 667
HISTO: 48266

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 537 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Clitoral Gland
- * Heart
- * Kidney
- * Liver
- * Mammary Gland
[Fibroadenoma TGLs = 1-14]
- * Nose
Olfactory Epi
Glands, Respirat Epith
Olfactory Epi
- * Pituitary Gland
[Adenoma TGLs = 2-10]
- * Thyroid Gland
- * Uterus
- Cyst
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Fibroadenoma
- Atrophy
- Hyperplasia
- Hyperplasia
- Inflammation
- Adenoma
- Hyperplasia
- Hyperplasia
- Mild
- Chronic, Minimal
- Moderate
- Mild
- Basal Cell, Minimal
- Chronic Active, Minimal
- Mild
- Cystic, Minimal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 538 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
 - Hyperplasia
 - Leukemia Mononuclear
 - Vacuolization Cytoplasmic
- * Adrenal Medulla
 - Leukemia Mononuclear
- * Heart
 - Cardiomyopathy
- * Kidney
 - Nephropathy
- * Liver
 - Basophilic Focus
 - Leukemia Mononuclear
- * Lung
 - Alveolar Epith
 - Hyperplasia
- * Nose
 - Olfactory Epi
 - Glands, Respirat Epith
 - Olfactory Epi
 - Olfactory Epi
 - Degeneration
 - Hyperplasia
 - Hyperplasia
 - Metaplasia
- * Pituitary Gland
 - Hemorrhage
- [Hemorrhage TGLs = 1-10]
- * Spleen
 - Leukemia Mononuclear
- * Thyroid Gland
 - C Cell
 - Hyperplasia
- * Uterus
 - Endometrium
 - Hyperplasia

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 539	TMT: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 2,4-15+16]		
* Nose	Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia	Minimal Basal Cell, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Minimal
	[Polyp Stromal TGLs = 3-14]		

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 540	TMT: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 32 PPM	DISP: Terminal Sacrifice	HISTO: 48270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* 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

* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Chronic, Mild
* Liver	Basophilic Focus Clear Cell Focus Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-6]		
* Lung	Alveolar Epith Hyperplasia TGLs = 5-5]	Mild
* Mammary Gland	Fibroadenoma	Multiple
[Fibroadenoma TGLs = 1,2-14+15]		
* Nose	Olfactory Epi Glands, Respirat Epith Olfactory Epi	Moderate Minimal Basal Cell, Minimal
* Pituitary Gland	Pars Distalis Adenoma TGLs = 3-10]	
[Adenoma TGLs = 3-10]		
* Spleen	Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Thyroid Gland	C Cell Hyperplasia	Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 541 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 633 HISTO: 48271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex * Adrenal Medulla * Bone * Brain
* Esophagus * Eye * Harderian Gland * Intestine Large, Cecum
* Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum * Intestine Small, Ileum
* Intestine Small, Jejunum * Islets, Pancreatic * Larynx * Lymph Node, Mesenteric
* Ovary * Pancreas * Parathyroid Gland * Salivary Glands
* Skin * Stomach, Forestomach * Stomach, Glandular * Thymus
* Thyroid Gland * Trachea * Urinary Bladder * Uterus

MISSING

- * Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

- * Bone Marrow Erythroid Cell Hyperplasia Moderate
* Clitoral Gland Inflammation Suppurative, Mild
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus
* Lung Carcinoma Metastatic (Zymbal'S Gland)
[Carcinoma TGLs = 6-5]
* Lymph Node, Mediastinal Hyperplasia Lymphoid, Moderate
[Hyperplasia TGLs = 2-3]
* Mammary Gland Fibroadenoma
[Fibroadenoma TGLs = 1-14]
* Nose Olfactory Epi Atrophy Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 5-10]
* Spleen Hematopoietic Cell Proliferation Marked
Zymbal's Gland Carcinoma
[Carcinoma TGLs = 3,4-15]

PRIMARY CAUSE OF DEATH - Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 542 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Adrenal Medulla Hyperplasia Minimal
- * Clitoral Gland Inflammation Chronic Active, Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Eosinophilic Focus
Leukemia Mononuclear
- * Nose Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Minimal
Olfactory Epi Metaplasia Respiratory, Minimal
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Adenoma
- * Spleen Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 543 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Bone | * Bone Marrow | * Brain | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Larynx | * Lymph Node, Mediastinal | * Mammary Gland | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|--------------------------------------|----------------------|------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Clitoral Gland | | Inflammation | Chronic Active, Marked |
| * Heart | | Cardiomyopathy | Moderate |
| | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Leukemia Mononuclear | |
| | [Eosinophilic Focus TGLs = 2-15] | | |
| | [Leukemia Mononuclear TGLs = 3-6] | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 4-15] | | |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| * Ovary | Interstit Cell | Hyperplasia | Moderate |
| * Pancreas | Acinus | Atrophy | Mild |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 543 TMT: 6
DOSE: 32 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 48273

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 1-14]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM: 544 TMT: 6 SEX: Female DAY ON TEST: 509
DOSE: 32 PPM DISP: Moribund Sacrifice HISTO: 48274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Larynx	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-6]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Mammary Gland	Galactocele	Moderate
[Galactocele TGLs = 1,2-15+16]		
* Nose	Glands, Respirat Epith	Hyperplasia
	Olfactory Epi	Hyperplasia
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 3-10]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-14]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLs = 5-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 545 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mandibular
- * Salivary Glands
- * Thymus
- * Uterus
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Skin
- * Thyroid Gland
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Ovary
- * Stomach, Forestomach
- * Trachea
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Medulla [Pheochromocytoma Benign TGLs = 5-7] Pheochromocytoma Benign
- * Clitoral Gland [Adenoma TGLs = 2-17] Adenoma Multiple
- * Heart Cardiomyopathy Minimal
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus Inflammation Chronic Active, Mild
- * Mammary Gland [Carcinoma TGLs = 4-15] [Fibroadenoma TGLs = 1,3-14+16] Carcinoma Fibroadenoma Multiple
- * Nose Olfactory Epi Respirat Epith Glands, Respirat Epith Olfactory Epi Olfactory Epi Atrophy Hyperplasia Hyperplasia Hyperplasia Necrosis Moderate Minimal Mild Basal Cell, Mild Mild
- * Pancreas Acinus Adenoma
- * Pituitary Gland Pars Distalis Hyperplasia Mild
- * Spleen Hematopoietic Cell Proliferation Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 546 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Eye Lens Cataract Moderate
[Cataract TGLs = 1-13]
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus Mixed Cell Focus
- * Mammary Gland Fibroadenoma
- Mesentery Necrosis Moderate
[Fibroadenoma TGLs = 2-16]
[Necrosis TGLs = 5-15]
- * Nose Respirat Epith Adenoma Mild
Respirat Epith Hyperplasia Basal Cell, Mild
Olfactory Epi Hyperplasia
- * Ovary Cyst
[Cyst TGLs = 3-14]
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 6-10]
- * Uterus Endometrium Adenoma
[Adenoma TGLs = 4-15]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 547 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Bronchial
- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Thymus

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus Moderate
- [Hepatodiaphragmatic Nodule TGLs = 3-6]
- Alveolar Epith
- * Lung Hyperplasia Minimal
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 1-14]
- * Nose Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Ovary Cyst
- [Cyst TGLs = 2-9]
- * Pituitary Gland Pars Distalis Hyperplasia Mild
- * Spleen Hematopoietic Cell Proliferation Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 548 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 598 HISTO: 48278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus
Clear Cell Focus
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 1-14]
- * Nose Respirat Epith Hyperplasia Minimal
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Spleen Hematopoietic Cell Proliferation Mild
- * Thyroid Gland C Cell Hyperplasia Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 549 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex [Adenoma TGLs = 3-7] Adenoma
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus Leukemia Mononuclear
- * Mammary Gland [Fibroadenoma TGLs = 1-14+15] Fibroadenoma
- Mesentery [Necrosis TGLs = 4-16] Necrosis Moderate
- * Nose Olfactory Epi Glands, Respirat Epith Olfactory Epi Accumulation, Hyaline Droplet Hyperplasia Hyperplasia Minimal Mild Basal Cell, Mild
- * Pancreas Acinus Atrophy Mild
- * Pituitary Gland [Adenoma TGLs = 2-10] Pars Distalis Adenoma
- * Spleen Hematopoietic Cell Proliferation Leukemia Mononuclear Mild
- * Thyroid Gland C Cell Hyperplasia Mild
- * Uterus Endometrium Hyperplasia Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 550 TMT: 6 DOSE: 32 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lung
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Skin
- * Thymus
- * Uterus
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Larynx
- * Ovary
- * Spleen
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Heart
- * Islets, Pancreatic
- * Kidney
- * Liver
- * Nose
- * Pancreas
- * Pituitary Gland
- Cardiomyopathy
- Adenoma
- Nephropathy
- Basophilic Focus
- Atrophy
- Hyperplasia
- Hyperplasia
- Atrophy
- Adenoma
- Mild
- Chronic, Mild
- Moderate
- Mild
- Basal Cell, Mild
- Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 701 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Natural Death

DAY ON TEST: 681 HISTO: 48131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Clitoral Gland * Esophagus * Eye
* Harderian Gland * Intestine Large, Cecum * Intestine Large, Colon * Intestine Large, Rectum
* Intestine Small, Duodenum * Intestine Small, Ileum * Intestine Small, Jejunum * Islets, Pancreatic
* Larynx * Lymph Node, Bronchial * Parathyroid Gland * Salivary Glands
* Skin * Stomach, Forestomach * Stomach, Glandular * Thymus
* Trachea * Urinary Bladder

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
* Adrenal Medulla Leukemia Mononuclear
* Bone Marrow Leukemia Mononuclear
* Brain Leukemia Mononuclear
* Heart Cardiomyopathy Mild
Leukemia Mononuclear
* Kidney Leukemia Mononuclear Chronic, Mild
Nephropathy Moderate
* Liver Angiectasis Moderate
Leukemia Mononuclear
[Angiectasis TGLs = 8-6]
[Leukemia Mononuclear TGLs = 5,7-6+15]
* Lung Leukemia Mononuclear
* Lymph Node, Mediastinal Leukemia Mononuclear
* Lymph Node, Mesenteric Leukemia Mononuclear
* Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2-16+17]
* Nose Olfactory Epi Atrophy Mild
Olfactory Epi Degeneration Mild
Olfactory Epi Hyperplasia Basal Cell, Minimal
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
* Ovary Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 701 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 681
HISTO: 48131

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	[Hyperplasia TGLs = 6-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 3-14]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: TGL 4 = NCL (No Corresponding Lesion)

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 702	TMT: 8	SEX: Female	DAY ON TEST: 662
	DOSE: 64 PPM	DISP: Natural Death	HISTO: 48132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Spleen
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLs = 5-6]	Hepatodiaphragmatic Nodule	Marked
* Lung	Alveolar Epith	Carcinoma	Metastatic (Mammary Gland)
	Alveolus	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 3-15]	Fibroadenoma	
	[Fibroadenoma TGLs = 2-16]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Glands, Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 702 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 662
HISTO: 48132

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Adenoma TGLs = 4-10] Squamous Cell Papilloma
[Squamous Cell Papilloma TGLs = 1-14]
* Uterus Polyp Stromal
[Polyp Stromal TGLs = 6-14]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 703 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 698
HISTO: 48133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Brain Compression Moderate
- * Kidney Nephropathy Chronic, Minimal
- * Liver Basophilic Focus
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 6-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2,3-14+15+16]
- * Nose Olfactory Epi Atrophy Moderate
Glands, Respirat Epith Hyperplasia Mild
Inflammation Chronic Active, Minimal
Olfactory Epi Metaplasia Respiratory, Minimal
- * Ovary Cyst Cyst
- [Cyst TGLs = 5-9]
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 4-10]
- * Spleen Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	703	TMT:	8
		DOSE:	64 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	698
HISTO:	48133

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 704	TMT: 8	SEX: Female	DAY ON TEST: 684
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Larynx	* Parathyroid Gland	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Degeneration Hyperplasia Leukemia Mononuclear	Cystic, Moderate Moderate
* Adrenal Medulla	Hyperplasia Leukemia Mononuclear	Mild
* Bone Marrow	Leukemia Mononuclear	
* Brain	Inflammation	Suppurative, Mild
* Clitoral Gland	Inflammation	Chronic Active, Minimal
* Heart	Leukemia Mononuclear	
* Intestine Small, Ileum	Leukemia Mononuclear	
* Intestine Small, Jejunum	Leukemia Mononuclear	
* Kidney	Inflammation Leukemia Mononuclear	Suppurative, Mild
	[Leukemia Mononuclear TGLs = 13-7]	
* Liver	Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
	[Hepatodiaphragmatic Nodule TGLs = 8-6] [Leukemia Mononuclear TGLs = 6,7-6]	
* Lung	Alveolar/Bronchiolar Adenoma Hyperplasia Leukemia Mononuclear	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 14-14] [Leukemia Mononuclear TGLs = 3-4+5]	
* Lymph Node, Bronchial	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 704	TMT: 8	SEX: Female	DAY ON TEST: 684
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48134

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mediastinal [Leukemia Mononuclear TGLs = 2-3]	Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLs = 12-16]	Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLs = 5-17]	Fibroadenoma Leukemia Mononuclear	
* Nose Olfactory Epi Respirat Epith Olfactory Epi Glands, Respirat Epith Respirat Epith	Atrophy Hyperplasia Hyperplasia Hyperplasia Metaplasia	Moderate Mild Basal Cell, Minimal Mild Squamous, Minimal
Oral Mucosa [Squamous Cell Carcinoma TGLs = 1-12]	Squamous Cell Carcinoma	
* Ovary [Leukemia Mononuclear TGLs = 15-9]	Leukemia Mononuclear	
* Pancreas [Leukemia Mononuclear TGLs = 11-15]	Leukemia Mononuclear	
* Pituitary Gland	Leukemia Mononuclear	
* Salivary Glands	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLs = 9,10-15]	Leukemia Mononuclear	
* Stomach, Forestomach	Leukemia Mononuclear	
* Stomach, Glandular	Leukemia Mononuclear	
* Thymus [Leukemia Mononuclear TGLs = 4-3]	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 705 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
Hyperplasia
Vacuolization Cytoplasmic
Mild
Moderate
- * Clitoral Gland
[Papilloma TGLs = 1-14]
Papilloma
- * Heart
Atrium
Cardiomyopathy
Thrombosis
Moderate
Moderate
- * Kidney
Nephropathy
Chronic, Minimal
- * Liver
Basophilic Focus
Mixed Cell Focus
- * Lung
[Basophilic Focus TGLs = 7-6]
Alveolus
[Infiltration Cellular TGLs = 3-5]
Infiltration Cellular
Histiocyte, Mild
- * Lymph Node, Mesenteric
Angiectasis
Mild
- * Nose
Olfactory Epi
Respirat Epith
Olfactory Epi
Glands, Respirat Epith
Hyperplasia
Accumulation, Hyaline Droplet
Hyperplasia
Hyperplasia
Mild
Basal Cell, Mild
Mild
- * Pituitary Gland
Pars Distalis
Hyperplasia
Moderate
- * Spleen
[Hematopoietic Cell Proliferation TGLs = 6-6]
Hematopoietic Cell Proliferation
Marked
- * Thyroid Gland
C Cell
Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 705 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48135

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus [Sarcoma Stromal TGLs = 5-10]

Sarcoma Stromal

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 706 TMT: 8 SEX: Female DAY ON TEST: 653
 DOSE: 64 PPM DISP: Natural Death HISTO: 48136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Clitoral Gland
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Salivary Glands
- * Thymus
- * Uterus
- * Bone
- * Esophagus
- * Liver
- * Ovary
- * Skin
- * Thyroid Gland
- * Bone Marrow
- * Harderian Gland
- * Lung
- * Pancreas
- * Stomach, Forestomach
- * Trachea
- * Brain
- * Intestine Large, Rectum
- * Lymph Node, Mediastinal
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- * Adrenal Cortex Hemorrhage Mild
- * Eye Lens Cataract Moderate
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Moderate
- * Larynx Inflammation Chronic Active, Mild
- * Mammary Gland Galactocele Mild
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Mild
- Olfactory Epi Atrophy Minimal
- Respirat Epith Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- Inflammation Chronic Active, Minimal
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 3-10]
- * Spleen Hematopoietic Cell Proliferation Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 707 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
Degeneration
Hyperplasia
Leukemia Mononuclear
Cystic, Mild
Mild
- * Adrenal Medulla
Leukemia Mononuclear
- * Heart
Cardiomyopathy
Moderate
- * Kidney
Nephropathy
Chronic, Minimal
- * Liver
Basophilic Focus
Leukemia Mononuclear
- * Lung
Leukemia Mononuclear
- * Mammary Gland
Fibroadenoma
Multiple
[Fibroadenoma TGLs = 1,3-14+15]
- * Nose
Olfactory Epi
Glands, Respirat Epith
Olfactory Epi
Atrophy
Hyperplasia
Hyperplasia
Inflammation
Moderate
Minimal
Basal Cell, Mild
Chronic Active, Minimal
- * Ovary
Cyst
Cyst
Minimal
[Cyst TGLs = 2-16]
- * Pancreas
Acinus
Atrophy
Minimal
- * Pituitary Gland
Pars Distalis
Adenoma
- * Spleen
Leukemia Mononuclear
- * Thyroid Gland
C Cell
Hyperplasia
Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 708 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 516
HISTO: 48138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Skin
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Stomach, Forestomach
- * Uterus
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Thyroid Gland
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Trachea

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
Leukemia Mononuclear
Vacuolization Cytoplasmic
Mild
- * Bone Marrow
Leukemia Mononuclear
- * Heart
Cardiomyopathy
Leukemia Mononuclear
Mild
- * Kidney
Leukemia Mononuclear
- * Liver
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 10-6]
- * Lung
Leukemia Mononuclear
- Lymph Node
 Deep Cervical
 Pancreatic
 Leukemia Mononuclear
 Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 1-16]
- [Leukemia Mononuclear TGLs = 5-19]
- * Lymph Node, Mediastinal
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 2-18]
- * Lymph Node, Mesenteric
Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 11-17]
- * Mammary Gland
Carcinoma
- * Nose
Respirat Epith
Olfactory Epi
Glands, Respirat Epith
Olfactory Epi
Hyperplasia
Hyperplasia
Hyperplasia
Necrosis
Mild
Basal Cell, Minimal
Mild
Minimal
- * Ovary
Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	708	TMT:	8	SEX:	Female	DAY ON TEST:	516
		DOSE:	64 PPM	DISP:	Moribund Sacrifice	HISTO:	48138

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLs = 9-9]		
* Pancreas	Leukemia Mononuclear	
* Pituitary Gland	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-10]		
* Salivary Glands	Leukemia Mononuclear	
* Spleen	Hemorrhage	Chronic, Marked
	Leukemia Mononuclear	
[Hemorrhage TGLs = 7,8-14+15]		
[Leukemia Mononuclear TGLs = 6,7,8-14+15]		
* Stomach, Glandular	Erosion	Mild
	Leukemia Mononuclear	
[Erosion TGLs = 13-10]		
* Thymus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 4-3]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 709	TMT: 8	SEX: Female	DAY ON TEST: 731
	DOSE: 64 PPM	DISP: Terminal Sacrifice	HISTO: 48139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------------------|------------------|
| * Adrenal Cortex | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 1-6] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Adenoma | |
| | | Fibroadenoma | |
| | [Adenoma TGLs = 5-16] | | |
| | [Fibroadenoma TGLs = 4-15] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 3-14] | | |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 709 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48139

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Endometrium

Hyperplasia

Cystic, Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 710 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|--------------------------|------------------------------------------|-------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Marked |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Vacuolization Cytoplasmic | Mild |
| | [Vacuolization Cytoplasmic TGLs = 2-6] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Minimal |
| | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | | Hemorrhage | Moderate |
| | Pars Distalis | Hyperplasia | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |
| * Uterus | | Polyp Stromal | |

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 711 TMT: 8 SEX: Female DAY ON TEST: 682
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|-------------------------------|--------------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | Atrium | Thrombosis | Moderate |
| | [Thrombosis TGLs = 6-6] | | |
| * Larynx | | Inflammation | Chronic Active, Moderate |
| | | Metaplasia | Squamous, Marked |
| * Liver | | Necrosis | Moderate |
| | [Necrosis TGLs = 2-6] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 4-14] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 5-14] | | |
| * Nose | Olfactory Epi | Accumulation, Hyaline Droplet | Mild |
| | | Foreign Body | |
| | Respirat Epith | Hyperplasia | Moderate |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Minimal |
| | | Inflammation | Chronic Active, Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLs = 3-10] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 711 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 682
HISTO: 48141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis
CONTRIBUTORY CAUSE OF DEATH - Liver Necrosis

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 712 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Ovary
- * Skin
- * Thyroid Gland
- Blood Vessel
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pancreas
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Thymus

MISSING

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

OBSERVATIONS

- * Adrenal Cortex
- * Bone Marrow
- * Clitoral Gland
- * Heart
- * Kidney
- * Liver
- [Leukemia Mononuclear TGLs = 4-6]
- * Lymph Node, Mesenteric
- * Mammary Gland
- [Fibroadenoma TGLs = 1,2-14]
- * Nose
- * Pituitary Gland
- [Adenoma TGLs = 3-10]
- * Spleen
- Leukemia Mononuclear
- Leukemia Mononuclear
- Hyperplasia
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Leukemia Mononuclear
- Infiltration Cellular
- Leukemia Mononuclear
- Fibroadenoma
- Accumulation, Hyaline Droplet
- Atrophy
- Hyperplasia
- Hyperplasia
- Hyperplasia
- Metaplasia
- Necrosis
- Adenoma
- Hematopoietic Cell Proliferation
- Moderate
- Mild
- Chronic, Mild
- Histiocyte, Mild
- Multiple
- Mild
- Moderate
- Minimal
- Mild
- Basal Cell, Mild
- Respiratory, Mild
- Minimal
- Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 712 TMT: 8
 DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48142

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

[Polyp Stromal TGLs = 5-10]

Leukemia Mononuclear

Polyp Stromal

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 713 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|------------------------------|----------------------------------|-------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Clitoral Gland | | Inflammation | Chronic Active, Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Clear Cell Focus | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 1-14] | | |
| * Nose | Olfactory Epi | Atrophy | Moderate |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 2-10] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | | Fibrosis | Mild |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 714 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|----------------------------------------------------------|---------------------------------------|--------------------------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Basophilic Focus
Mixed Cell Focus | |
| * Mammary Gland | | Fibroadenoma | Multiple |
| | [Fibroadenoma TGLs = 2,3-14+15] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLs = 4-7] | | |
| * Nose | Olfactory Epi
Glands, Respirat Epith
Olfactory Epi | Atrophy
Hyperplasia
Hyperplasia | Moderate
Minimal
Basal Cell, Minimal |
| * Pancreas | Acinus | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLs = 1-10] | | |

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 715 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 502
HISTO: 48145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Kidney
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Larynx
- * Pituitary Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Salivary Glands
- * Thymus
- * Uterus
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Ovary
- * Skin
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Heart Leukemia Mononuclear
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-6]
- * Lung Leukemia Mononuclear
Lymph Node Pancreatic Leukemia Mononuclear
Deep Cervical Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-14]
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Mild
Respirat Epith Hyperplasia Moderate
Olfactory Epi Hyperplasia Basal Cell, Mild
Glands, Respirat Epith Hyperplasia Minimal
Glands, Olfactory Epi Hyperplasia Minimal
Inflammation Chronic Active, Moderate
Metaplasia Squamous, Minimal
- * Pancreas Respirat Epith Atrophy Mild
Acinus
- * Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-14]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 716 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Clitoral Gland Adenoma Multiple
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Moderate
* Liver Eosinophilic Focus
Hepatocellular Adenoma
Mixed Cell Focus
[Eosinophilic Focus TGLs = 2-6]
[Mixed Cell Focus TGLs = 1-14]
* Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 6,7-15+16]
* Nose Olfactory Epi Accumulation, Hyaline Droplet Minimal
Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 3-10]
* Thyroid Gland C Cell Adenoma
C Cell Carcinoma
* Uterus Carcinoma
Polyp Stromal

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 716 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48146

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLs = 4-10]
[Polyp Stromal TGLs = 5-10]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 717 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Bone * Esophagus * Intestine Large, Colon * Intestine Small, Jejunum * Ovary * Salivary Glands * Thymus * Bone Marrow * Eye * Intestine Large, Rectum * Islets, Pancreatic * Pancreas * Skin * Thyroid Gland * Brain * Harderian Gland * Intestine Small, Duodenum * Larynx * Parathyroid Gland * Stomach, Forestomach * Trachea * Clitoral Gland * Intestine Large, Cecum * Intestine Small, Ileum * Lymph Node, Mesenteric * Pituitary Gland * Stomach, Glandular * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Leukemia Mononuclear Mild
* Adrenal Medulla Hyperplasia Leukemia Mononuclear Minimal
* Heart Cardiomyopathy Mild
* Kidney Nephropathy Chronic, Minimal
* Liver Basophilic Focus Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-6]
* Lung Leukemia Mononuclear
* Mammary Gland Fibroadenoma Multiple
[Fibroadenoma TGLs = 1,2-14+15]
* Nose Respirat Epith Glands, Respirat Epith Olfactory Epi Hyperplasia Hyperplasia Hyperplasia Inflammation Metaplasia Minimal Minimal Basal Cell, Mild Chronic Active, Minimal Respiratory, Mild
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 4-6]
* Uterus Polyp Stromal
[Polyp Stromal TGLs = 5-10]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 718 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 618
HISTO: 48148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Pancreas
- * Skin
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pituitary Gland
- * Thymus
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Salivary Glands
- * Trachea

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|----------------------|-------------------|
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Heart | Atrium | Thrombosis | Marked |
| | [Thrombosis TGLs = 2-6] | | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | Centrilobular | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLs = 3-6] | Necrosis | Mild |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| | [Fibroadenoma TGLs = 4-14] | | |
| * Nose | Olfactory Epi | Degeneration | Mild |
| | Respirat Epith | Hyperplasia | Mild |
| | Glands, Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Hyperplasia | Basal Cell, Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| * Ovary | | Cyst | |
| * Spleen | | Leukemia Mononuclear | |
| * Stomach, Forestomach | | Ulcer | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 718 **TMT:** 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 618
HISTO: 48148

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 722	TMT: 8	SEX: Female	DAY ON TEST: 522
	DOSE: 64 PPM	DISP: Natural Death	HISTO: 48152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Mild
* Larynx		Foreign Body Inflammation Metaplasia	Chronic Active, Mild Squamous, Mild
* Lung		Foreign Body Inflammation	Suppurative, Marked
* Nose	Olfactory Epi Respirat Epith Olfactory Epi Glands, Respirat Epith Glands, Olfactory Epi Olfactory Epi	Atrophy Hyperplasia Hyperplasia Hyperplasia Hyperplasia Necrosis	Moderate Mild Basal Cell, Minimal Minimal Minimal Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLs = 1-10]		
* Skin	Subcut Tiss	Cyst Epithelial Inclusion Hemorrhage	Moderate Marked
	[Hemorrhage TGLs = 2-15]		
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 722 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Natural Death

DAY ON TEST: 522
HISTO: 48152

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland Follicular Cel Carcinoma
[Carcinoma TGLs = 4-14]

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	723	TMT:	8
		DOSE:	64 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	628
HISTO:	48153

ORGAN AND ACCOUNTABLE SITE STATUS

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 724 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 683
HISTO: 48154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Stomach, Glandular
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Pancreas
- * Thymus
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mediastinal
- * Salivary Glands
- * Trachea
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Stomach, Forestomach
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Histiocytic Sarcoma Hyperplasia Mild
- * Bone Marrow Erythroid Cell Hyperplasia Moderate
- * Brain Necrosis Mild
- * Heart Atrium Histiocytic Sarcoma Thrombosis Marked
- * Kidney Histiocytic Sarcoma Nephropathy Chronic, Mild
- * Liver Histiocytic Sarcoma
- * Lung [Histiocytic Sarcoma TGLs = 7,8,12-6+16+19] Histiocytic Sarcoma
- * Nose [Histiocytic Sarcoma TGLs = 6-4+5]
Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
- * Ovary [Cyst TGLs = 3-9] Cyst
- * Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 5-10]
- * Skin Subcut Tiss Histiocytic Sarcoma
- * Spleen [Histiocytic Sarcoma TGLs = 1,2-17+18] Hematopoietic Cell Proliferation Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 724 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 683
HISTO: 48154

ORGAN AND ACCOUNTABLE SITE STATUS

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLs = 9-14]

* Thyroid Gland

C Cell

Adenoma

* Uterus

Inflammation

Chronic Active, Mild

[Inflammation TGLs = 11-15]

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Histiocytic Sarcoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 725 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 698
HISTO: 48155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- | | | |
|-------------------|-----------------------------------|------------------|
| * Brain | Compression | Marked |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLs = 5,6-6] | |
| * Mammary Gland | Carcinoma | |
| | Fibroadenoma | |
| | [Carcinoma TGLs = 2-14] | |
| | [Fibroadenoma TGLs = 3-15] | |
| * Nose | Olfactory Epi | Minimal |
| | Olfactory Epi | Moderate |
| | Glands, Respirat Epith | Minimal |
| | Olfactory Epi | Basal Cell, Mild |
| * Pituitary Gland | Pars Distalis | |
| | [Adenoma TGLs = 4-10] | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Thyroid Gland | C Cell | Adenoma |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 726 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 730 HISTO: 48156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Brain Astrocytoma Malignant
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Moderate
- * Liver Basophilic Focus
Clear Cell Focus
Mixed Cell Focus
Vacuolization Cytoplasmic Mild
- [Vacuolization Cytoplasmic TGLs = 4-6]
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Mild
Inflammation Chronic Active, Mild
Metaplasia Respiratory, Mild
- * Ovary Olfactory Epi
- * Pituitary Gland Interstit Cell Hyperplasia Moderate
Pars Distalis Adenoma
- [Adenoma TGLs = 1-10]
- * Spleen Hemangiosarcoma
Leukemia Mononuclear
- [Hemangiosarcoma TGLs = 3-6]
- * Thyroid Gland C Cell Hyperplasia Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 727 TMT: 8 SEX: Female DAY ON TEST: 694
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
Leukemia Mononuclear
- [Basophilic Focus TGLs = 4-7]
- * Lung Osteosarcoma Metastatic (Skin)
- * Mammary Gland Fibroadenoma
- [Fibroadenoma TGLs = 1-14+15]
- * Nose Olfactory Epi Atrophy Moderate
Glands, Respirat Epith Hyperplasia Minimal
Olfactory Epi Hyperplasia Basal Cell, Moderate
Olfactory Epi Metaplasia Respiratory, Mild
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Skin Subcut Tiss Osteosarcoma
- [Osteosarcoma TGLs = 5,6-16+17]
- * Spleen Hematopoietic Cell Proliferation Mild
Leukemia Mononuclear
- * Thyroid Gland C Cell Hyperplasia Mild
- * Uterus Polyp Stromal
- [Polyp Stromal TGLs = 3-10]

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM:	727	TMT:	8
		DOSE:	64 PPM

SEX:	Female
DISP:	Moribund Sacrifice

DAY ON TEST:	694
HISTO:	48157

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Osteosarcoma

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 728 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Moribund Sacrifice

DAY ON TEST: 633 HISTO: 48158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lung
- * Pancreas
- * Stomach, Forestomach
- * Trachea
- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Salivary Glands
- * Thymus
- * Uterus
- * Bone Marrow
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Ovary
- * Spleen
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Brain Compression Moderate
- * Heart Cardiomyopathy Mild
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus
- Clear Cell Focus
- * Nose [Clear Cell Focus TGLs = 4-6] Hyperplasia Minimal
- Glands, Respirat Epith Hyperplasia Basal Cell, Minimal
- Olfactory Epi Hyperplasia Respiratory, Mild
- Olfactory Epi Metaplasia
- * Pituitary Gland Pars Distalis Adenoma
- [Adenoma TGLs = 2-10]
- * Skin Keratoacanthoma
- [Keratoacanthoma TGLs = 3-14]

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 729 TMT: 8 SEX: Female DAY ON TEST: 674
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression Hemorrhage	Mild Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
* Mesentery		Necrosis	Moderate
	[Necrosis TGLs = 1-7]		
* Nose	Olfactory Epi Glands, Respirat Epith	Atrophy Hyperplasia	Moderate Minimal
	Olfactory Epi Olfactory Epi	Hyperplasia Metaplasia	Basal Cell, Mild Respiratory, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
PROPARGYL ALCOHOL
CAS Number: 107-19-7
Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
Time Report Requested: 14:01:40
First Dose M/F: 10/01/01 / 10/01/01
Lab: BNW

ANIMAL NUM:	730	TMT:	8	SEX:	Female	DAY ON TEST:	620
		DOSE:	64 PPM	DISP:	Natural Death	HISTO:	48160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Metaplasia	Squamous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 731 TMT: 8 SEX: Female DAY ON TEST: 731
 DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular * Lymph Node, Mediastinal

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose	Olfactory Epi	Atrophy	Moderate
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Minimal
* Ovary	Interstit Cell	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 1-6]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 731 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48161

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Necrosis

Mild

* Thyroid Gland

C Cell

Hyperplasia

Moderate

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 732 TMT: 8 SEX: Female DAY ON TEST: 731
 DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLs = 1,4-7+14]		
* Nose	Olfactory Epi	Accumulation, Hyaline Droplet	Minimal
	Olfactory Epi	Degeneration	Mild
	Respirat Epith	Hyperplasia	Mild
	Glands, Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 2-10]		
* Skin		Inflammation	Granulomatous, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 733 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 732 HISTO: 48163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Salivary Glands
- * Thyroid Gland
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Skin
- * Trachea
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Stomach, Forestomach
- * Urinary Bladder
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Parathyroid Gland
- * Stomach, Glandular
- * Uterus

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal
- * Thymus

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Moderate
- * Adrenal Medulla Leukemia Mononuclear
- * Bone Nasal Inflammation Chronic Active, Mild
- * Bone Marrow Leukemia Mononuclear
- * Brain Compression Moderate
- * Clitoral Gland Hyperplasia Mild
- * Heart Cardiomyopathy Moderate
- * Kidney Nephropathy Chronic, Mild
- * Liver Basophilic Focus Leukemia Mononuclear
- [Leukemia Mononuclear TGLs = 4-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Bronchial Hyperplasia Lymphoid, Mild
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Mammary Gland Fibroadenoma Multiple Mild
- Epithelium
- [Fibroadenoma TGLs = 1,2-14+15]
- * Nose Olfactory Epi Atrophy Moderate
- Glands, Respirat Epith Hyperplasia Mild
- Olfactory Epi Hyperplasia Basal Cell, Mild
- * Ovary Interstit Cell Hyperplasia Moderate
- * Pancreas Acinus Atrophy Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 733 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48163

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 5-10]
* Spleen Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 3-6]

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 734 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 694
HISTO: 48164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Forestomach
- * Uterus
- * Adrenal Medulla
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Pituitary Gland
- * Thyroid Gland
- * Bone
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Salivary Glands
- * Trachea
- * Brain
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Skin
- * Urinary Bladder

MISSING

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

OBSERVATIONS

- * Bone Marrow Leukemia Mononuclear
- * Clitoral Gland Hyperplasia Mild
[Hyperplasia TGLs = 4-14]
- * Heart Cardiomyopathy Mild
Leukemia Mononuclear
- * Kidney Infarct
Nephropathy Chronic, Mild
[Infarct TGLs = 2-7]
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 1-6]
- * Lung Leukemia Mononuclear
- * Lymph Node, Mediastinal Leukemia Mononuclear
- * Lymph Node, Mesenteric Leukemia Mononuclear
- * Nose Olfactory Epi Accumulation, Hyaline Droplet Mild
Olfactory Epi Atrophy Moderate
Foreign Body
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Olfactory Epi Hyperplasia Moderate
Inflammation Chronic Active, Mild
Olfactory Epi Metaplasia Respiratory, Minimal
- * Ovary Cyst

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 734 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 694
HISTO: 48164

ORGAN AND ACCOUNTABLE SITE STATUS

	Interstit Cell	Hyperplasia	Mild
[Cyst TGLs = 3-9]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Mild
[Erosion TGLs = 5-10]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 735 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 523
HISTO: 48165

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 737	TMT: 8	SEX: Female	DAY ON TEST: 732
	DOSE: 64 PPM	DISP: Terminal Sacrifice	HISTO: 48167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Clitoral Gland	Inflammation	Chronic Active, Mild
* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Chronic, Minimal
* Liver	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]	
* Lung	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 8-4+5]	
* Lymph Node, Bronchial	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 2-14]	
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Fibroadenoma	
	[Fibroadenoma TGLs = 1-15]	
Mesentery	Necrosis	Moderate
	[Necrosis TGLs = 7-16]	
* Nose	Respirat Epith	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 737 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 48167

ORGAN AND ACCOUNTABLE SITE STATUS

	Glands, Respirat Epith Olfactory Epi	Hyperplasia Hyperplasia Inflammation Metaplasia	Mild Basal Cell, Mild Chronic Active, Minimal Respiratory, Mild
* Pancreas	Olfactory Epi	Leukemia Mononuclear	
* Pituitary Gland		Hemorrhage Leukemia Mononuclear	Mild
	[Hemorrhage TGLs = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 5,6-6]		
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 738 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 663
HISTO: 48168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Mammary Gland
- * Stomach, Forestomach
- * Trachea
- * Bone
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Parathyroid Gland
- * Stomach, Glandular
- * Urinary Bladder
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Lymph Node, Mediastinal
- * Salivary Glands
- * Thymus
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mesenteric
- * Skin
- * Thyroid Gland

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Leukemia Mononuclear
- * Bone Marrow Leukemia Mononuclear
- * Heart Cardiomyopathy Mild
- * Kidney Leukemia Mononuclear Nephropathy Chronic, Mild
- * Larynx Foreign Body
- * Liver Leukemia Mononuclear
[Leukemia Mononuclear TGLs = 2-6]
- * Lung Leukemia Mononuclear
- * Nose Olfactory Epi Atrophy Moderate
Respirat Epith Hyperplasia Moderate
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Inflammation Chronic Active, Moderate
Respirat Epith Metaplasia Squamous, Minimal
- * Ovary Cyst
[Cyst TGLs = 5-9]
- * Pancreas Acinus Atrophy Minimal
- * Pituitary Gland Pars Distalis Hyperplasia Moderate
[Hyperplasia TGLs = 1-10]
- * Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 740 TMT: 8 SEX: Female DAY ON TEST: 620
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx |
| * Lung | * Lymph Node, Mesenteric | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

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

OBSERVATIONS

- | | | |
|---------------------------------|----------------------------------------------------------------------------|----------------------------------------------------|
| * Brain | Compression | Moderate |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Mild |
| * Liver | Basophilic Focus
Vacuolization Cytoplasmic | Moderate |
| [Basophilic Focus TGLs = 1-6] | | |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLs = 3-14] | | |
| * Nose | Olfactory Epi
Respirat Epith
Glands, Respirat Epith
Olfactory Epi | Moderate
Minimal
Minimal
Basal Cell, Mild |
| * Pituitary Gland | Pars Distalis
Adenoma | |
| [Adenoma TGLs = 2-10] | | |
| * Spleen | Hematopoietic Cell Proliferation | Mild |
| * Stomach, Forestomach | Epithelium
Hyperplasia | Mild |
| * Stomach, Glandular | Ulcer | Minimal |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 741 TMT: 8 SEX: Female DAY ON TEST: 732
 DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Larynx | * Liver | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | | |
|-----------------------------|-------------------------|-----------------------------------------|
| * Heart | Cardiomyopathy | Moderate |
| * Kidney | Nephropathy | Chronic, Mild |
| Lymph Node | Deep Cervical | Moderate |
| [Angiectasis TGLs = 3-14] | Angiectasis | |
| * Lymph Node, Bronchial | Angiectasis | Moderate |
| [Angiectasis TGLs = 4-7] | | |
| * Nose | Olfactory Epi | Moderate |
| | Glands, Respirat Epith | Minimal |
| | Olfactory Epi | Basal Cell, Mild |
| | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | |
| [Adenoma TGLs = 5-10] | Adenoma | |
| * Skin | Subcut Tiss | |
| [Fibroma TGLs = 1-15] | Fibroma | |
| Tongue | Inflammation | Granulomatous, Chronic Active, Moderate |
| | Squamous Cell Papilloma | |

Note: A Foreign body is entrapped within the lamina propria of the tongue.
 [Squamous Cell Papilloma TGLs = 2-14]

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 743 TMT: 8 SEX: Female DAY ON TEST: 731
 DOSE: 64 PPM DISP: Terminal Sacrifice HISTO: 48173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Harderian Gland
- * Intestine Small, Duodenum
- * Larynx
- * Skin
- * Urinary Bladder
- * Adrenal Medulla
- * Clitoral Gland
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Mammary Gland
- * Stomach, Forestomach
- * Uterus
- * Bone
- * Esophagus
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Parathyroid Gland
- * Stomach, Glandular
- * Bone Marrow
- * Eye
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Salivary Glands
- * Trachea

MISSING

- * Lymph Node, Mandibular
- * Lymph Node, Mediastinal

OBSERVATIONS

- | | | |
|--------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------|
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Nephropathy | Chronic, Minimal |
| * Liver | Basophilic Focus
Leukemia Mononuclear | |
| * Lung | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 1-14] | | |
| * Lymph Node, Mesenteric | Leukemia Mononuclear | |
| Mesentery | Necrosis | Moderate |
| [Necrosis TGLs = 4-16] | | |
| * Nose | Olfactory Epi
Olfactory Epi
Glands, Respirat Epith
Olfactory Epi | Accumulation, Hyaline Droplet
Atrophy
Hyperplasia
Hyperplasia |
| | | Minimal
Moderate
Mild
Basal Cell, Mild |
| * Ovary | Interstit Cell | Hyperplasia |
| * Pancreas | Acinus | Atrophy |
| * Pituitary Gland | Pars Distalis | Adenoma |
| [Adenoma TGLs = 2-10] | | |
| * Spleen | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLs = 3-15] | | |
| * Thymus | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 743 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 48173

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 744 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 617
HISTO: 48174

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 5-10]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hemorrhage	Marked
	[Hemorrhage TGLs = 4-10]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 746	TMT: 8	SEX: Female	DAY ON TEST: 621
	DOSE: 64 PPM	DISP: Moribund Sacrifice	HISTO: 48176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* 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	Chronic, Mild
* Liver	Oval Cell	Hyperplasia Inflammation	Minimal Chronic Active, Mild
* Nose	Olfactory Epi Respirat Epith Glands, Respirat Epith	Atrophy Hyperplasia Hyperplasia	Moderate Minimal Minimal
	Olfactory Epi Respirat Epith	Hyperplasia Metaplasia	Basal Cell, Mild Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 97008 - 05
 Test Type: CHRONIC
 Route: RESPIRATORY EXPOSURE WHOLE BODY
 Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 PROPARGYL ALCOHOL
 CAS Number: 107-19-7
 Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006
 Time Report Requested: 14:01:40
 First Dose M/F: 10/01/01 / 10/01/01
 Lab: BNW

ANIMAL NUM: 748 TMT: 8 SEX: Female DAY ON TEST: 695
 DOSE: 64 PPM DISP: Moribund Sacrifice HISTO: 48178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Lymph Node, Bronchial	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 4-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLs = 7,8-16+17]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLs = 1-15]		
* Nose	Olfactory Epi	Atrophy	Moderate
	Olfactory Epi	Degeneration	Mild
		Foreign Body	
	Respirat Epith	Hyperplasia	Moderate
	Glands, Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 748 TMT: 8
DOSE: 64 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 695
HISTO: 48178

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Cyst	
	[Cyst TGLs = 9-9]		
* Pituitary Gland		Hemorrhage	Mild
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hemorrhage TGLs = 3-10]		
* Skin		Fibroma	
	Subcut Tiss		
	[Fibroma TGLs = 2-14]		
* Spleen		Fibrosis	Mild
	Capsule	Leukemia Mononuclear	
	[Fibrosis TGLs = 6-17]		
	[Leukemia Mononuclear TGLs = 5-16]		
* Thyroid Gland		Hyperplasia	Moderate
	C Cell		
* Uterus		Hyperplasia	Cystic, Minimal
	Endometrium		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

TDMS No. 97008 - 05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

PROPARGYL ALCOHOL

CAS Number: 107-19-7

Pathologist: HARBO, S. - LIEUALLEN, W.

Date Report Requested: 08/09/2006

Time Report Requested: 14:01:40

First Dose M/F: 10/01/01 / 10/01/01

Lab: BNW

ANIMAL NUM: 750 TMT: 8 DOSE: 64 PPM

SEX: Female DISP: Terminal Sacrifice

DAY ON TEST: 731 HISTO: 48180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

- * Adrenal Cortex Hyperplasia Mild
* Clitoral Gland Leukemia Mononuclear
* Heart Hyperplasia Mild
* Kidney Cardiomyopathy Minimal
* Liver Nephropathy Chronic, Minimal
[Leukemia Mononuclear TGLs = 3-6]
* Lymph Node, Mesenteric Basophilic Focus
* Nose Leukemia Mononuclear Infiltration Cellular Histiocyte, Mild
Respirat Epith Hyperplasia Mild
Glands, Respirat Epith Hyperplasia Mild
Olfactory Epi Hyperplasia Basal Cell, Mild
Olfactory Epi Metaplasia Respiratory, Minimal
* Pituitary Gland Pars Distalis Adenoma
[Adenoma TGLs = 2-10]
* Spleen Hematopoietic Cell Proliferation Mild
Leukemia Mononuclear
* Thyroid Gland Bilateral, C Cell Adenoma
[Adenoma TGLs = 1-3]

*** END OF REPORT ***