

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:19:59
First Dose M/F: NA / NA
Lab: BNW

C Number:	C96001
Lock Date:	09/24/2001
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	01/09/2003

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 1	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 42706
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 2-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-16]			
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 42707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Lymph Node, Mediastinal

OBSERVATIONS

- | | | | |
|--------------------------------------|----------------|----------------------|---------------|
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Bronchial | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-16] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-14] | | | |
| * Testes | Interstit Cell | Adenoma | |
| | Germinal Epith | Atrophy | Marked |
| [Atrophy TGLS = 2-15] | | | |

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 42708
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* 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	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Parathyroid Gland	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-13]			
* Heart	Atrium	Thrombosis	Mild
* Kidney	Cortex	Infarct	Moderate
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-15]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Pancreas	Acinus	Atrophy	Marked
[Atrophy TGLS = 7-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin		Cyst Epithelial Inclusion	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:19:59
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 3	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 42708
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 8-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 5-9]			
[Atrophy TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 4	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 42709
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* 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	* Lymph Node, Mediastinal
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
[Hemorrhage TGLS = 2-5]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
Note: dx of mcl is controversial; more obvious in liver than spleen.			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:19:59
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42709

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Bone [Osteosarcoma TGLS = 7-14+17]	Femur	Osteosarcoma	
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Mild
* Lung [Osteosarcoma TGLS = 4,8-4+5+15]		Hemorrhage	Marked
		Osteosarcoma	Metastatic (Bone)
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Mild
* Skin [Fibroma TGLS = 1-16]	Subcut Tiss	Fibroma	
* Testes [Adenoma TGLS = 6-9] [Atrophy TGLS = 5-9]	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 6	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 42711
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Respirat Epith	Hyperplasia	Marked
		Inflammation	Suppurative, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 7	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 705 HISTO: 42712
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Bone [Degeneration TGLS = 1-14+15]	Cartilage, Rib	Degeneration	Moderate
* Brain		Compression Hemorrhage	Moderate Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus Leukemia Mononuclear	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Moderate
[Adenoma TGLS = 3-9] [Atrophy TGLS = 4-9]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:19:59
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 705
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 42712

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 8	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Natural Death	DAY ON TEST: 621 HISTO: 42713
---------------------	--	--	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
		Hemorrhage	Mild
* Kidney		Nephropathy	Chronic, Marked
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 9	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 670 HISTO: 42714
---------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
Pleura		Inflammation	Chronic, Minimal
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 5-15]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone	Cranium	Osteosarcoma	
[Osteosarcoma TGLS = 3-18]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
Note: compare glomerular basophilic material (see arrow) with exposed male rats. Other controls have intraglomerular material but its not as basophilic as this.			
* Liver		Clear Cell Focus	Minimal
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 5-14]			
[Hepatodiaphragmatic Nodule TGLS = 6-15]			
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 2-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-16]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42715

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Germinal Epith

Atrophy

Marked

Artery

Inflammation

Chronic Active, Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Pleura	* 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		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
Mesentery		Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Necrosis Vacuolization Cytoplasmic	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Hemorrhage	Marked
[Hemorrhage TGLS = 4-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:19:59
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42718

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:19:59

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-14+15]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 16

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Natural Death

DAY ON TEST: 716
HISTO: 42721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Thymoma Malignant	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 476

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
Coagulating Gland	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 4,5-1]			
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Moderate Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-17]			
* Nose	Turbinate	Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 6-16]			
[Necrosis TGLS = 7-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 17	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 476 HISTO: 42722
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes Note: interstitial cell tumor only on one side. [Adenoma TGLS = 8-9]	Interstit Cell	Adenoma
---	----------------	---------

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Pleura
* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Ectasia	Marked
	Pancreatic	Leukemia Mononuclear	
[Ectasia TGLS = 1-16]			
[Leukemia Mononuclear TGLS = 1-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42723

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Eye [Cataract TGLS = 1-13]	Lens	Cataract	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
* Lung Mesentery [Necrosis TGLS = 5-14]	Alveolus	Infiltration Cellular Necrosis	Histiocyte, Minimal Mild
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 4-9] [Atrophy TGLS = 3-9]	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 20

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 42725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 2-14]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lymph Node, Bronchial		Fibrosis	Mild
[Fibrosis TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	Pleura
* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Accessory Spleen	
[Accessory Spleen TGLS = 2-6]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 23 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 674
DOSE: CONTROL **DISP:** Moribund Sacrifice **HISTO:** 42728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Periportal	Pigmentation	
		Vacuolization Cytoplasmic	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Bronchial		Pigmentation	Mild
[Pigmentation TGLS = 1-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Lung	Interstitialium	Fibrosis	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Marked
		Leukemia Mononuclear	
		[Fibrosis TGLS = 1-4+5]	
		[Leukemia Mononuclear TGLS = 1-4+5]	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-10]	
* Prostate		Inflammation	Suppurative, Marked
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-14]	
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 726

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42729

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye [Cataract TGLS = 1-13]	Lens	Cataract	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver [Clear Cell Focus TGLS = 5,6-15+16]		Clear Cell Focus	Moderate
* Lung Mesentery [Necrosis TGLS = 4-14]	Alveolus	Infiltration Cellular Necrosis	Histiocyte, Minimal Moderate
Pleura		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 3-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* 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
-------------------------	--------------------------

OBSERVATIONS

* Brain		Astrocytoma Malignant	
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Mild
* Prostate		Inflammation	Suppurative, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
Pleura	* 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 Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 2-14]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Nose		Foreign Body	Moderate
	Globlet Cell	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Skin		Cyst Epithelial Inclusion	Marked
	Subcut Tiss	Fibrosarcoma	
[Cyst Epithelial Inclusion TGLS = 3-15]			
[Fibrosarcoma TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Blood Vessel | * 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, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pleura | * 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 | | Vacuolization Cytoplasmic | Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Testes | Interstit Cell | Adenoma | |
| | Interstit Cell | Hyperplasia | Moderate |

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 2-13]			
* Kidney		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 8-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 1-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 730
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 42736

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 6-16]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL

DISP: Natural Death

HISTO: 42737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* 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, Ileum	* Intestine Small, Jejunum
--------------------------	--------------------------	----------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
Note: cardiomyopathy is not clearly cause of death.			
* Kidney		Nephropathy	Chronic, Mild
* Nose	Glands	Hyperplasia	Moderate
* Skin	Sebaceous GI	Adenoma	
		Hyperkeratosis	Marked
[Adenoma TGLS = 1-14]			
[Hyperkeratosis TGLS = 1-14]			
* Spleen		Hemorrhage	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Heart Cardiomyopathy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 1-4+5+14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 576

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Nephropathy	Chronic, Moderate
* Liver		Vacuolization Cytoplasmic	Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 611

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid 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	
-------------------------	--------------------------	---------------------------	--

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Cortex	Infarct	Marked
		Nephropathy	Chronic, Moderate
[Infarct TGLS = 7-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 4-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 35	TRT#: 1 DOSE: CONTROL	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 611 HISTO: 42740
----------------------	--	---	--

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 8-15]			
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Kidney Cortex Infarct;Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 36

TRT#: 1
DOSE: CONTROL

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 674
HISTO: 42741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Larynx
* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 3-15]			
* Thyroid Gland	C Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 656

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* Pituitary Gland	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-15]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
[Leukemia Mononuclear TGLS = 4-18]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 37	TRT#: 1	SEX: Male	DAY ON TEST: 656
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 42742

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-17]		Necrosis	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-19]			

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1,3-15+16]		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-14]			
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 6,7-18+19]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 8-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 729
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 42743

ORGAN AND ACCOUNTABLE SITE STATUS

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
[Pheochromocytoma Benign TGLS = 6-7]			
* Brain		Carcinoma Compression	Metastatic (Pituitary Gland) Marked
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Bronchial		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-4]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 4-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1,2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Kidney	Renal Tubule	Carcinoma Nephropathy	Chronic, Mild
[Carcinoma TGLS = 4-14+15]			
* Larynx		Foreign Body	Marked
* Lymph Node, Bronchial		Hematopoietic Cell Proliferation Infiltration Cellular	Moderate Histiocyte, Mild
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Marked
* Nose	Respirat Epith	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Preputial Gland		Cyst Hyperplasia	Moderate
[Cyst TGLS = 6-18]			
[Hyperplasia TGLS = 6-18]			
* Prostate		Inflammation	Suppurative, Mild
Skeletal Muscle		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-17]			
* Spleen		Hematopoietic Cell Proliferation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 712
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 42746

ORGAN AND ACCOUNTABLE SITE STATUS

[Hematopoietic Cell Proliferation TGLS = 3-16]		
* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 2-9]		

PRIMARY CAUSE OF DEATH - Kidney Renal Tubule Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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 Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
* Eye		Atrophy	Marked
	Lens	Cataract	Marked
[Atrophy TGLS = 2-13]			
[Cataract TGLS = 2-13]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Minimal
[Hemorrhage TGLS = 4-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Moderate
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42747

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Islets, Pancreatic [Carcinoma TGLS = 3-16]		Carcinoma	
* Kidney Lymph Node [Angiectasis TGLS = 4-15]	Pancreatic	Nephropathy Angiectasis	Chronic, Mild Marked
* Nose * Pituitary Gland [Hyperplasia TGLS = 5-10]	Olfactory Epi Pars Distalis	Degeneration Hyperplasia	Hyaline, Minimal Moderate
* Skin [Adenoma TGLS = 1-14]	Sebaceous GI	Adenoma	
* Testes [Adenoma TGLS = 2-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 712

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 712
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 42749

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-16]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 2-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Pleura	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Hyperplasia	Mild
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 626

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-15]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose		Foreign Body	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-9]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	* 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	* Lymph Node, Mediastinal
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 4-15]		Pheochromocytoma Malignant	
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver [Hepatodiaphragmatic Nodule TGLS = 3-14]		Hepatodiaphragmatic Nodule	Marked
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland [Adenoma TGLS = 5-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 1,2-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 50 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 729
DOSE: CONTROL **DISP:** Terminal Sacrifice **HISTO:** 42755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	Pleura	* 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		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-15]			
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Marked
Note: CA is in left lung on slide 4; tgl on slide 14 is hyperplasia			
[Hyperplasia TGLS = 5-14]			
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
Pleura		Fibrosis	Minimal
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Mammary Gland
* Parathyroid Gland	Peritoneum	Pleura	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
		Vacuolization Cytoplasmic	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
[Vacuolization Cytoplasmic TGLS = 4-14]			
* Lymph Node, Mediastinal		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 1-3]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 5-8]			
* Nose		Foreign Body	Moderate
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Cyst	
		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 202	TRT#: 3	SEX: Male	DAY ON TEST: 621
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43127

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-15]

[Hyperplasia TGLS = 3-15]

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 203

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 8,10-17+18]		
	[Leukemia Mononuclear TGLS = 9-6+17+18]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-14]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Skin	Subcut Tiss	Fibrosarcoma	
	[Fibrosarcoma TGLS = 1-15+16]		
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 203	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 138 MG/M3	DISP: Terminal Sacrifice	HISTO: 43128

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 7-20]			
[Leukemia Mononuclear TGLS = 6-19]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 5-9]			
[Atrophy TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 204

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 205

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* 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		Hyperplasia	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Fibrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 206

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Mild
[Clear Cell Focus TGLS = 4-19]			
* Lymph Node, Bronchial		Infiltration Cellular	Histiocyte, Moderate
		Pigmentation	Moderate
[Infiltration Cellular TGLS = 3-4]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14+15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 207

TRT#: 3

SEX: Male

DAY ON TEST: 403

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* Preputial Gland	* Prostate	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Mild
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Chronic, Mild
* Liver		Inflammation	Granulomatous, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mediastinal	* Mammary Gland	* Pancreas
* Parathyroid Gland	Pleura	* 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 Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hemorrhage	Mild
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 208

TRT#: 3

SEX: Male

DAY ON TEST: 565

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43133

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 209

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* 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

* Brain		Compression	Moderate
* Kidney	Cortex, Renal Tubule	Casts Granular	Moderate
		Nephropathy	Chronic, Moderate
* Lung		Hemorrhage	Mild
[Hemorrhage TGLS = 5-4]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Minimal
[Fibrosis TGLS = 6-5]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-15]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 210

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-20]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 5-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-15+16+17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-19]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 210

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43135

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 211

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 212

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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 Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 213

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 213

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43138

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 214

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 652

HISTO: 43139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea		

MISSING

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

OBSERVATIONS

Blood Vessel		Mineralization	Marked
* Eye		Inflammation	Suppurative, Moderate
* Heart		Cardiomyopathy	Marked
	Artery	Mineralization	Marked
	[Cardiomyopathy TGLS = 1,7-14+15]		
	[Mineralization TGLS = 7-15]		
* Kidney	Pelvis	Dilatation	Marked
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Renal Tubule	Mineralization	Marked
	Papilla	Necrosis	Marked
		Nephropathy	Chronic, Marked
	Note: step sections of u bladder and kidney; no mass or blockage found.		
	[Dilatation TGLS = 3-7]		
* Lung	Alveolus	Mineralization	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Prostate		Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 214	TRT#: 3	SEX: Male	DAY ON TEST: 652
	DOSE: 138 MG/M3	DISP: Natural Death	HISTO: 43139

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-17]			
[Inflammation TGLS = 5-17]			
* Stomach, Glandular		Mineralization	Marked
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 8-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Urinary Bladder		Hemorrhage	Marked
		Inflammation	Chronic, Marked
	Muscularis, Transit Epithe	Mineralization	Marked
[Hemorrhage TGLS = 6-16]			
[Inflammation TGLS = 4-16]			
[Mineralization TGLS = 4-16]			

PRIMARY CAUSE OF DEATH	- Kidney Pelvis Dilatation
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Mineralization;Heart Artery Mineralization;Kidney Renal Tubule Mineralization;Kidney Papilla Necrosis;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 215

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 670

HISTO: 43140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Large, Cecum		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 7-16]			
[Necrosis TGLS = 7-16]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15+19]			
Mesentery		Necrosis	Marked
[Necrosis TGLS = 7-16]			
* Nose		Foreign Body	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 215	TRT#: 3	SEX: Male	DAY ON TEST: 670
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43140

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-17+18]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 8-20]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Intestine Large;Cecum Necrosis;Stomach;Glandular Erosion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 216

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 605

HISTO: 43141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Lung	Interstitium	Fibrosis	Minimal
[Fibrosis TGLS = 5-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Minimal
[Fibrosis TGLS = 5-14]			
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Forestomach		Ulcer	Marked
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Artery	Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 4-9]			
[Atrophy TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 216	TRT#: 3	SEX: Male	DAY ON TEST: 605
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43141

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
-----------------	--------	-------------	------

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	Alveolus	Proteinosis	Mild
[Infiltration Cellular TGLS = 6-15]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-14]			
Pleura		Fibrosis	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-16]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 218

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 625

HISTO: 43143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Suppurative, Moderate
* Skin	Subcut Tiss	Schwannoma Benign	
	[Schwannoma Benign TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	[Adenoma TGLS = 4-9]		
	[Atrophy TGLS = 3-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 218

TRT#: 3

SEX: Male

DAY ON TEST: 625

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43143

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 5-7]			
* Lung	Interstitial	Fibrosis	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: pituitary tumor also on brain slide 1			
[Adenoma TGLS = 4-10]			
Pleura		Fibrosis	Minimal
[Fibrosis TGLS = 6-5]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin		Cyst Epithelial Inclusion	Marked
		Squamous Cell Papilloma	
[Cyst Epithelial Inclusion TGLS = 2-14]			
[Squamous Cell Papilloma TGLS = 3-15]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 220

TRT#: 3

SEX: Male

DAY ON TEST: 656

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
[Leukemia Mononuclear TGLS = 4-7+14]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 220	TRT#: 3	SEX: Male	DAY ON TEST: 656
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43145

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Epididymis		Lymphoma Malignant	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Leukemia Mononuclear TGLS = 6-4+5+15]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Nose		Inflammation	Suppurative, Mild
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-16+17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 221

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43146

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Lung		Hemorrhage	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 2-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 3-5]			
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-14+15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 223

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Nose	* Parathyroid Gland	Peritoneum
* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Eye	Lens	Cataract	Mild
[Cataract TGLS = 4-13]			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Marked Histiocyte, Mild
[Infiltration Cellular TGLS = 7-5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Mammary Gland		Galactocele	Moderate
[Galactocele TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
Pleura		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 223	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 138 MG/M3	DISP: Terminal Sacrifice	HISTO: 43148

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 7-5]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-16]			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 224

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 682

HISTO: 43149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Brain		Hemorrhage	Marked
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 225 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 421
DOSE: 138 MG/M3 **DISP:** Moribund Sacrifice **HISTO:** 43150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Kidney [Infarct TGLS = 5-16]	Cortex	Infarct	Marked
* Liver [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Lung	Interstitialium	Fibrosis	Minimal
Lymph Node [Leukemia Mononuclear TGLS = 6-15] [Leukemia Mononuclear TGLS = 1-14]	Deep Cervical Pancreatic	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Prostate		Inflammation	Suppurative, Minimal
* Spleen [Leukemia Mononuclear TGLS = 2,3-17+18]		Leukemia Mononuclear	
* Testes	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 656

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Mild
		Vacuolization Cytoplasmic	Minimal
[Clear Cell Focus TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 4-16]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma
 CONTRIBUTORY CAUSE OF DEATH - Brain Compression;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 228

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 658

HISTO: 43153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 7,8-1]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	
Note: axillary , not thoracic ln			
[Leukemia Mononuclear TGLS = 5-16]			
[Leukemia Mononuclear TGLS = 2-14]			
[Leukemia Mononuclear TGLS = 3-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 228	TRT#: 3	SEX: Male	DAY ON TEST: 658
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43153

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 4-9]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 229

TRT#: 3

SEX: Male

DAY ON TEST: 582

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Pleura	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Mild
		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 230

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 7-17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Ectasia	Marked
[Ectasia TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 2-15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 230

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43155

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 231

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peritoneum	* 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 Medulla		Hyperplasia	Moderate
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 1-7]			
* Liver		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Testes	Artery	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
[Leukemia Mononuclear TGLS = 10-17]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-18]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1,2-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 232

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43157

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Germinal Epith	Atrophy	Mild
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 233

TRT#: 3

SEX: Male

DAY ON TEST: 472

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Cortex, Renal Tubule Medulla	Accumulation, Hyaline Droplet Casts Granular Nephropathy	Mild Mild Chronic, Mild
Note: granular casts are in corticomedullary jct and cortex more than in medulla.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial 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	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-18]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14+15+16+17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 234

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43159

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			
* Nose		Foreign Body	Moderate
	Goblet Cell	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 235	TRT#: 3	SEX: Male	DAY ON TEST: 667
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43160

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma
[Adenoma TGLS = 6-9]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Compression;Pituitary Gland Pars Distalis Adenoma;Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 236

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	Peritoneum
* Pituitary Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 237

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 671

HISTO: 43162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	Peritoneum	Pleura
* Preputial 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	* Parathyroid Gland
-------------------------	--------------------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Interstitial	Fibrosis	Mild
[Fibrosis TGLS = 5-4+5]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4+5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Hemorrhage	Marked
[Hemorrhage TGLS = 2-15]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

- Spleen Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 238

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Kidney	Pelvis, Transit Epithe	Hyperplasia Nephropathy	Mild Chronic, Marked
[Nephropathy TGLS = 5-7]			
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 6,7-5+14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 239

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 3-14]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 240

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 640

HISTO: 43165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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
-------------------------	--------------------------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 241

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
		Inflammation	Suppurative, Moderate
	Epiglottis	Metaplasia	Squamous, Mild
* Liver		Leukemia Mononuclear	
* Lung	Interstitial	Fibrosis	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 6-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,3,4,5-14+15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 3-9]			
[Atrophy TGLS = 2-9]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	Pleura
* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Marked
* Kidney	Cortex, Renal Tubule Medulla	Accumulation, Hyaline Droplet Casts Granular Nephropathy Leukemia Mononuclear	Marked Mild Chronic, Minimal
* Liver			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Hemorrhage Leukemia Mononuclear	Mild
[Hemorrhage TGLS = 1-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 4-15]			
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 243

TRT#: 3

SEX: Male

DAY ON TEST: 537

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43168

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 244

TRT#: 3

SEX: Male

DAY ON TEST: 590

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 5-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 245

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Intestine Large, Cecum [Cyst TGLS = 5-15]	Epithelium	Cyst	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Marked
	Pancreatic	Pigmentation	Marked
[Infiltration Cellular TGLS = 4-14]			
[Pigmentation TGLS = 4-14]			
* Mammary Gland [Hyperplasia TGLS = 1-16]		Hyperplasia	Marked
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 246

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2,3-15+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 6-10]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH - Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 247

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 248

TRT#: 3

DOSE: 138 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 249

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 138 MG/M3

DISP: Terminal Sacrifice

HISTO: 43174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Prostate		Inflammation	Suppurative, Moderate
[Inflammation TGLS = 4-15]			
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 5-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2,3-9+14]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 250

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 138 MG/M3

DISP: Moribund Sacrifice

HISTO: 43175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney	Medulla	Casts Granular	Mild
	Cortex, Renal Tubule	Hyperplasia	Moderate
		Lipoma	
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 8,9-7+15]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Stomach, Glandular		Ulcer	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 250	TRT#: 3	SEX: Male	DAY ON TEST: 726
	DOSE: 138 MG/M3	DISP: Moribund Sacrifice	HISTO: 43175

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-9]			
[Atrophy TGLS = 6-9]			
* Thyroid Gland	Follicular Cel	Carcinoma	
	Follicular Cel	Hyperplasia	Moderate
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 401

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Marked
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 702

HISTO: 43007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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, Mediastinal
* Mammary Gland	* Pancreas	Peritoneum	Pleura
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Marked
		Hemorrhage	Moderate
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia	Marked
		Mineralization	Moderate
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 6-7]			
* Lymph Node, Mesenteric Mesentery		Carcinoma	Metastatic (Thyroid Gland)
		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Globet Cell	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma	
		Atrophy	Minimal
[Adenoma TGLS = 4-9]			
[Atrophy TGLS = 5-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 402

TRT#: 4

SEX: Male

DAY ON TEST: 702

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43007

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

C Cell

Hyperplasia

Minimal

[Carcinoma TGLS = 1-3]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 403

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 708

HISTO: 43008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* 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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	-----------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-14]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 7-15]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-10]			
* Skin		Cyst Epithelial Inclusion	Minimal
[Cyst Epithelial Inclusion TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 403	TRT#: 4	SEX: Male	DAY ON TEST: 708
	DOSE: 550 MG/M3	DISP: Natural Death	HISTO: 43008

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]			
Tongue	Epithelium	Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 6-14]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 404

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 43009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 9-7]			
* Heart	Atrium	Cardiomyopathy	Moderate
[Thrombosis TGLS = 2-6]		Thrombosis	Marked
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia	Mild
		Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma	
[Adenoma TGLS = 5-9]		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 404

TRT#: 4

SEX: Male

DAY ON TEST: 675

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43009

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 4-9]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 405

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* 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 Medulla		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 406

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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	Moderate
* Brain		Compression	Marked
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Mild Moderate Chronic, Marked
[Nephropathy TGLS = 3-7]			
* Liver		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Germinal Epith	Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 407

TRT#: 4

SEX: Male

DAY ON TEST: 715

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-18]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
[Adenoma TGLS = 2-10]			
[Hemorrhage TGLS = 2-10]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 407	TRT#: 4	SEX: Male	DAY ON TEST: 715
	DOSE: 550 MG/M3	DISP: Natural Death	HISTO: 43012

ORGAN AND ACCOUNTABLE SITE STATUS

[Accessory Spleen TGLS = 7-17]	Necrosis	Marked
[Leukemia Mononuclear TGLS = 5-16+17]		
[Necrosis TGLS = 6-16]		
* Stomach, Glandular	Erosion	Moderate
[Erosion TGLS = 9-10]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3-9]		

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 408

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 642

HISTO: 43013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
* Pituitary Gland	Pleura	* Preputial 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	Mild
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy Hepatodiaphragmatic Nodule Leukemia Mononuclear	Minimal Minimal Chronic, Mild Marked
* Liver			
	[Hepatodiaphragmatic Nodule TGLS = 8-6]		
	[Leukemia Mononuclear TGLS = 9-6]		
* Lung		Hemorrhage Leukemia Mononuclear Leukemia Mononuclear	Mild
Lymph Node	Thoracic		
	[Leukemia Mononuclear TGLS = 3-14]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Skin		Hyperkeratosis Inflammation	Moderate Granulomatous, Marked
	[Hyperkeratosis TGLS = 1-15]		
	[Inflammation TGLS = 4-16]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 408	TRT#: 4	SEX: Male	DAY ON TEST: 642
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43013

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-14]			
[Leukemia Mononuclear TGLS = 6-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 409

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-7]			
* Brain		Compression	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			
Tongue	Epithelium	Hyperplasia	Mild
[Hyperplasia TGLS = 2-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 410

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney [Nephropathy TGLS = 3-7]		Nephropathy	Chronic, Marked
* Lung [Alveolar/Bronchiolar Adenoma TGLS = 4-14]		Alveolar/Bronchiolar Adenoma	
* Mammary Gland [Galactocele TGLS = 1-15]		Galactocele	Marked
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 411

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 726

HISTO: 43016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4+5]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-14]			
* Mammary Gland		Galactocele	Marked
[Galactocele TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 411	TRT#: 4	SEX: Male	DAY ON TEST: 726
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43016

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-14]

* Testes	Germinal Epith	Atrophy	Marked
* Thyroid Gland	C Cell	Adenoma	

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 412

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Accessory Spleen	
[Accessory Spleen TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3,4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 413

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43018

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 1-1]			
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Marked
[Hemorrhage TGLS = 4-4+5]		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 413

TRT#: 4

SEX: Male

DAY ON TEST: 647

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43018

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage;Lung Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 414

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
* Pituitary Gland	Pleura	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Cortex		Mineralization	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 4-14]			
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-9]			
[Atrophy TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 415

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 43020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Kidney	Papilla	Mineralization Nephropathy	Minimal Chronic, Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		Necrosis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-10]			
* Spleen		Accessory Spleen	
		Fibrosis	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 415	TRT#: 4	SEX: Male	DAY ON TEST: 691
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43020

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-9]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
------------------------	-------------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 416

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-13]			
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Mild Minimal Chronic, Mild
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 2-15]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 416	TRT#: 4	SEX: Male	DAY ON TEST: 730
	DOSE: 550 MG/M3	DISP: Terminal Sacrifice	HISTO: 43021

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 417

TRT#: 4

SEX: Male

DAY ON TEST: 541

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Heart		Leukemia Mononuclear	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-18]			
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 417

TRT#: 4

SEX: Male

DAY ON TEST: 541

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43022

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-14] Leukemia Mononuclear

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

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 720

HISTO: 43023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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 Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Thrombosis	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-15]		
	[Leukemia Mononuclear TGLS = 4-6+15]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
		Thrombosis	Marked
	[Leukemia Mononuclear TGLS = 2-14+15]		
	[Thrombosis TGLS = 3-15]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 418

TRT#: 4

SEX: Male

DAY ON TEST: 720

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43023

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 419

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 633

HISTO: 43024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 7-7]		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney [Nephropathy TGLS = 6-7]		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear Vacuolization Cytoplasmic	Marked
Lymph Node [Leukemia Mononuclear TGLS = 8-15]	Pancreatic	Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Suppurative, Moderate
* Spleen [Hemorrhage TGLS = 5-16] [Leukemia Mononuclear TGLS = 4-15]		Hemorrhage Leukemia Mononuclear	Marked
* Stomach, Forestomach		Hyperplasia Ulcer	Squamous, Moderate Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 419	TRT#: 4	SEX: Male	DAY ON TEST: 633
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43024

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 9-17]

* Stomach, Glandular

* Testes

Germinal Epith

Ulcer

Atrophy

Moderate

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Spleen Hemorrhage;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 420

TRT#: 4

SEX: Male

DAY ON TEST: 717

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 7-1]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Spleen		Hemorrhage	Marked
[Hemorrhage TGLS = 4-15]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3,4-15]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 8-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 420	TRT#: 4	SEX: Male	DAY ON TEST: 717
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43025

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 2-9]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage;Spleen Hemorrhage;Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Moderate
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Minimal Mild Chronic, Moderate
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Moderate Histiocyte, Minimal
[Hyperplasia TGLS = 5-14]			
Lymph Node	Pancreatic	Ectasia	Marked
[Ectasia TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-6]			
* Testes	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 421

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43026

ORGAN AND ACCOUNTABLE SITE STATUS

Artery

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422

TRT#: 4

SEX: Male

DAY ON TEST: 509

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex, Renal Tubule Papilla	Adenoma Mineralization Nephropathy	Mild Chronic, Minimal
	Note: Very little evidence of tubular damage, but many hyaline droplets, some papillary mineralization, single small adenoma.		
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-6]		
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear Necrosis	Histiocyte, Mild Moderate
	Mesentery [Necrosis TGLS = 4-15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen		Leukemia Mononuclear Necrosis	Marked
	[Leukemia Mononuclear TGLS = 3-14] [Necrosis TGLS = 6-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 422	TRT#: 4	SEX: Male	DAY ON TEST: 509
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43027

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1,2-9]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 423

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 696

HISTO: 43028

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Squamous, Moderate
[Hemorrhage TGLS = 2,4-4+5]			
[Metaplasia TGLS = 3-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-17]			
Mesentery		Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 423	TRT#: 4	SEX: Male	DAY ON TEST: 696
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43028

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-18]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-9]			

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 424

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 673

HISTO: 43029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Forestomach	* Stomach, Glandular	

OBSERVATIONS

* Kidney	Papilla	Mineralization Nephropathy Leukemia Mononuclear	Moderate Chronic, Mild
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 1-3]			
Mesentery [Necrosis TGLS = 2-15]		Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 4-10]	Pars Distalis	Adenoma	
* Skin [Inflammation TGLS = 5-14]		Inflammation	Chronic, Moderate
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 589

HISTO: 43030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Medulla	Casts Granular	Minimal
	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-14]	
* Nose		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-10]	
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 4-15]	
		[Necrosis TGLS = 6-15]	
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 5-9]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 425

TRT#: 4

SEX: Male

DAY ON TEST: 589

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43030

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: fragment of preputial gland adjacent to thymus on slide 3 is considered as floa ter. rar

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 426

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary 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		Hyperplasia	Marked
* Kidney	Cortex, Renal Tubule Papilla	Casts Granular Mineralization Nephropathy Infiltration Cellular	Minimal Minimal Chronic, Moderate Moderate
* Lymph Node, Mediastinal [Infiltration Cellular TGLS = 2-3]			
Pleura		Fibrosis	Minimal
* Preputial Gland [Cyst TGLS = 1-9]		Cyst	
* Testes [Adenoma TGLS = 3-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 427

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Cortex, Renal Tubule	Hyperplasia	Marked
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Papilla	Mineralization	Marked
		Nephropathy	Chronic, Marked
Note: several hyperplastic lesions on left kidney section with diff dx of adenoma			
* Liver		Clear Cell Focus	Mild
		Hepatodiaphragmatic Nodule	Marked
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Fibroma	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 427

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43032

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 2-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 428

TRT#: 4

SEX: Male

DAY ON TEST: 396

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet Nephropathy Carcinoma	Moderate Chronic, Minimal
* Preputial Gland			
[Carcinoma TGLS = 1-14]			
* Skin		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-15]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	Peritoneum	* Preputial 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 Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Angiectasis	Moderate
		Pigmentation	Mild
[Angiectasis TGLS = 2-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Mild
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 6-16]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 429

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43034

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-9]

[Atrophy TGLS = 4-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 430

TRT#: 4

SEX: Male

DAY ON TEST: 712

DOSE: 550 MG/M3

DISP: Natural Death

HISTO: 43035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Islets, Pancreatic		Carcinoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
[Hemorrhage TGLS = 2-4+5+14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: slide 16 is pancreatic LN, not renal.			
[Leukemia Mononuclear TGLS = 7-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 430	TRT#: 4	SEX: Male	DAY ON TEST: 712
	DOSE: 550 MG/M3	DISP: Natural Death	HISTO: 43035

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-15]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 4-9]	Bilateral, Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 431

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* 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
* Kidney	Cortex, Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Skin	Subcut Tiss	Cyst Epithelial Inclusion	Marked
		Fibroma	
[Cyst Epithelial Inclusion TGLS = 1-14]			
[Fibroma TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5,6-9]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 432

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy Leukemia Mononuclear Carcinoma	Minimal Mild Chronic, Mild
* Liver			
* Mammary Gland			
[Carcinoma TGLS = 1-16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Moderate
* Spleen		Hemorrhage Leukemia Mononuclear	Moderate
[Hemorrhage TGLS = 6-15]			
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 432

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43037

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 558

HISTO: 43038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Moderate
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 4-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Inflammation	Suppurative, Minimal
* Seminal Vesicle		Dilatation	Marked
	[Dilatation TGLS = 3-14]		
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 433

TRT#: 4

SEX: Male

DAY ON TEST: 558

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43038

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 434

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3,4-6]			
* Mammary Gland		Galactoceles	Marked
[Galactoceles TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Testes	Germinal Epith	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 435

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43040

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* Pituitary Gland	Pleura	* 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 Cortex		Vacuolization Cytoplasmic	Marked
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Marked
	Periportal	Pigmentation	Marked
[Hyperplasia TGLS = 5-6]			
[Pigmentation TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-9+15]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 436

TRT#: 4

SEX: Male

DAY ON TEST: 556

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43041

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* 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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 2,3-1]			
* Epididymis		Granuloma Sperm	Marked
[Granuloma Sperm TGLS = 5-18]			
* Kidney	Cortex	Infarct	Moderate
[Infarct TGLS = 7-7]		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-10]			
* Preputial Gland		Inflammation	Suppurative, Moderate
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 10-17]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 436

TRT#: 4

SEX: Male

DAY ON TEST: 556

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43041

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 8-9]	Interstit Cell	Adenoma	
* Urinary Bladder [Hemorrhage TGLS = 6,9-16]		Hemorrhage	Marked

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage;Stomach;Glandular Erosion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 437

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 546

HISTO: 43042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Kidney	Cortex, Renal Tubule Papilla	Accumulation, Hyaline Droplet Mineralization Nephropathy	Moderate Moderate Chronic, Moderate
* Liver		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Minimal
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-6]		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 437

TRT#: 4

SEX: Male

DAY ON TEST: 546

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43042

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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 Medulla		Hyperplasia	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Interstitialium	Fibrosis	Moderate
	Alveolar Epith	Hyperplasia	Marked
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
[Fibrosis TGLS = 5-16]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 4-9]			
[Atrophy TGLS = 3-9]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 438

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43043

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 439

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy Angiectasis Hyperplasia	Mild Minimal Chronic, Moderate Moderate Lymphoid, Moderate
* Lymph Node, Mediastinal			
[Angiectasis TGLS = 2-3]			
[Hyperplasia TGLS = 2-3]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 5-16]			
* Prostate		Inflammation	Suppurative, Moderate
* Skin	Sebaceous GI	Adenoma	
[Adenoma TGLS = 4-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 439

TRT#: 4

SEX: Male

DAY ON TEST: 730

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43044

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 440

TRT#: 4

SEX: Male

DAY ON TEST: 529

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43045

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * 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 | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | Pleura |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|---------------|----------------|---------------|
| * Brain | | Compression | Moderate |
| * Kidney | Papilla | Mineralization | Minimal |
| | | Nephropathy | Chronic, Mild |
| | | Necrosis | Moderate |
| Mesentery | | | |
| [Necrosis TGLS = 3-15] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 441

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	Peritoneum
Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Carcinoma	
	Interstitium	Fibrosis	Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Fibrosis TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:00

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 442

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 698

HISTO: 43047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
		Pheochromocytoma Benign	
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose		Foreign Body	Moderate
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-15+16]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 442	TRT#: 4	SEX: Male	DAY ON TEST: 698
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43047

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3,4-9]		

PRIMARY CAUSE OF DEATH	- Preputial Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:00
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443

TRT#: 4

SEX: Male

DAY ON TEST: 621

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lung	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Preputial Gland		Inflammation	Suppurative, Mild
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Stomach, Glandular		Hyperplasia	Mild
[Hyperplasia TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 443	TRT#: 4	SEX: Male	DAY ON TEST: 621
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43048

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
* Thymus		Thrombosis	Moderate

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 444

TRT#: 4

SEX: Male

DAY ON TEST: 618

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	* 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
-------------------------	--------------------------

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe Papilla	Hyperplasia Mineralization Nephropathy	Minimal Mild Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 2-5]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 445

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 593

HISTO: 43050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow	Myeloid Cell	Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Larynx		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Suppurative, Marked
[Inflammation TGLS = 1-14]			
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 43051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 5-16]			
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 10-7]			
* Liver		Cholangiocarcinoma	
		Leukemia Mononuclear	
	Periportal	Pigmentation	Marked
[Cholangiocarcinoma TGLS = 7-6+15]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Marked
		Leukemia Mononuclear	
[Alveolar/Bronchiolar Adenoma TGLS = 4-5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 446

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43051

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

[Carcinoma TGLS = 1,2-18+19]

Carcinoma

* Spleen

[Leukemia Mononuclear TGLS = 8,9-17]

Leukemia Mononuclear

* Testes

Germinal Epith

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 447

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 705

HISTO: 43052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart	Atrium	Carcinoma	Metastatic (Kidney)
* Kidney	Pelvis, Transit Epithe	Carcinoma	
	Pelvis	Dilatation	Marked
	Pelvis, Transit Epithe	Hyperplasia	Marked
		Nephropathy	Chronic, Moderate

Note: Adjacent pelvis is very dilated; cannot rule out a transitional epith tumor colliding with renal tubular cell ca. But lung mets look like tubular ca.

Note: large renal mass consists in part of giant tubules with necrotic centers (comedoCA). No clear boundary between mass and adjacent proliferating pelvic epith.

[Carcinoma TGLS = 6,7-17]

* Liver		Angiectasis	Mild
		Leukemia Mononuclear	

[Angiectasis TGLS = 5-16]

* Lung		Carcinoma	Metastatic (Kidney)
		Hemorrhage	Marked

[Carcinoma TGLS = 3-4+5+15]

Lymph Node	Pancreatic	Leukemia Mononuclear	
------------	------------	----------------------	--

[Leukemia Mononuclear TGLS = 9-14]

* Lymph Node, Bronchial		Carcinoma	Metastatic (Kidney)
-------------------------	--	-----------	---------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 447	TRT#: 4	SEX: Male	DAY ON TEST: 705
	DOSE: 550 MG/M3	DISP: Moribund Sacrifice	HISTO: 43052

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 10-8]		
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 4-10]		
* Spleen		Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 8-9]		

PRIMARY CAUSE OF DEATH	- Kidney Pelvis Transit Epithe Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Lung Carcinoma Kidney

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 448

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-7]			
* Liver		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 7-9]			
[Atrophy TGLS = 6-9]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 448

TRT#: 4

SEX: Male

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43053

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 449

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 715

HISTO: 43054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 450

TRT#: 4

DOSE: 550 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 43055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 601

TRT#: 6

SEX: Male

DAY ON TEST: 712

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* 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, Bronchial	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Necrosis	Marked
		Pheochromocytoma Benign	
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
* Lung	Interstitium	Fibrosis	Mild
		Note: pathogenesis of pleural lesions probly related to atrial thrombi inducing pulmonary congestion, edema, pleural effusion.	
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 4-10]
Pleura		Fibrosis	Moderate
		Inflammation	Chronic, Mild
* Skin		Basal Cell Carcinoma	
		Hyperkeratosis	Marked
		Hyperplasia	Moderate
			[Basal Cell Carcinoma TGLS = 1-14]
			[Hyperkeratosis TGLS = 2-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 601	TRT#: 6	SEX: Male	DAY ON TEST: 712
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42886

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-15]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 5,6-9]		

PRIMARY CAUSE OF DEATH	- Skin Basal Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 602

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 5,6-16]			
[Atrophy TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 603

TRT#: 6

SEX: Male

DAY ON TEST: 698

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-14]			
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3,4-15]			
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-9]			

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 604

TRT#: 6

SEX: Male

DAY ON TEST: 610

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Mammary Gland		Galactocele	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-9]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 605

TRT#: 6

SEX: Male

DAY ON TEST: 432

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Mild
	Papilla	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Chronic, Mild
Note: large amts of protein droplets in renal tubules suggests that this tumor could be a histiocytic type of lymphoma.			
		[Accumulation, Hyaline Droplet TGLS = 6-7]	
		[Leukemia Mononuclear TGLS = 6-7]	
* Larynx		Inflammation	Suppurative, Moderate
* Liver		Leukemia Mononuclear	
		Thrombosis	Moderate
		[Leukemia Mononuclear TGLS = 8-15]	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-14]	
		[Leukemia Mononuclear TGLS = 4-18]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 605

TRT#: 6

SEX: Male

DAY ON TEST: 432

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42890

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3]

* Lymph Node, Mesenteric

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-16]

* Prostate

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

Note: Not typical cytology or locations for MCL; cells have pale nuclei with large central nucleoli, looks more like histiocytic lymphoma.

[Leukemia Mononuclear TGLS = 5-17]

* Stomach, Glandular

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-19]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 606

TRT#: 6

SEX: Male

DAY ON TEST: 725

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis	Dilatation	Mild
	Cortex, Renal Tubule	Hyperplasia	Mild
	Cortex, Renal Tubule	Mineralization	Mild
	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
[Dilatation TGLS = 5-7]			
[Nephropathy TGLS = 7-7]			
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Carcinoma	
		Hyperplasia	Marked
		Inflammation	Suppurative, Marked
[Carcinoma TGLS = 9-16]			
* Seminal Vesicle		Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 606	TRT#: 6	SEX: Male	DAY ON TEST: 725
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42891

ORGAN AND ACCOUNTABLE SITE STATUS

[Dilatation TGLS = 8-15] [Hyperplasia TGLS = 8-15]		Hyperplasia	Marked
* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-9] [Atrophy TGLS = 3-9]			
* Urinary Bladder		Hemorrhage	Marked
[Hemorrhage TGLS = 10-17]			

PRIMARY CAUSE OF DEATH	- Kidney Pelvis Dilatation
CONTRIBUTORY CAUSE OF DEATH	- Kidney Nephropathy;Prostate Carcinoma;Urinary Bladder Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 607

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 608

TRT#: 6

SEX: Male

DAY ON TEST: 606

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Pleura
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
Note: One very large tubule with tall vacuolated epith cells. Classified as hyperplasia of tubules. Marked on slide.			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Mild
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 609 **TRT#:** 6 **SEX:** Male **DAY ON TEST:** 730
DOSE: 1100 MG/M3 **DISP:** Terminal Sacrifice **HISTO:** 42894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Papilla	Mineralization	Marked
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Nose	Goblet Cell	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 3-9]			
[Atrophy TGLS = 2-9]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610

TRT#: 6

SEX: Male

DAY ON TEST: 684

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
	Papilla	Leukemia Mononuclear	
		Mineralization	Moderate
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Alveolar Epith	Hemorrhage	Moderate
		Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 4-4]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-17]		
* Lymph Node, Mediastinal		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 610	TRT#: 6	SEX: Male	DAY ON TEST: 684
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42895

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Basal Cell Carcinoma
[Basal Cell Carcinoma TGLS = 8-16]		
* Spleen		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 3-9]		
* Thymus		Cyst
		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 611

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 705

HISTO: 42896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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 Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Cartilage, Turbinate	Hyperplasia	Marked
Note: ethmoturbinate, focus of excess cartilage and bone			
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Hemorrhage	Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 1-14]		
* Nose	Turbinate	Hyperplasia	Atypical, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-15]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 611	TRT#: 6	SEX: Male	DAY ON TEST: 705
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42896

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9] [Atrophy TGLS = 2-9] * Thyroid Gland	Germinal Epith C Cell	Atrophy Hyperplasia	Marked Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Heart Atrium Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 612

TRT#: 6

SEX: Male

DAY ON TEST: 548

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	Pleura
* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Intestine Large, Cecum [Atrophy TGLS = 3-8]		Atrophy	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Nose		Carcinoma	Metastatic (Oral Mucosa)
Oral Mucosa		Squamous Cell Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-9]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Intestine Large;Cecum Atrophy

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 613

TRT#: 6

SEX: Male

DAY ON TEST: 581

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
	Myocardium	Thrombosis	Marked
* Kidney	Cortex	Infarct	Marked
	Papilla	Mineralization	Marked
		Nephropathy	Chronic, Mild
<p>Note: photo of infarct in renal cortex, associated protein cast in outer stripe of medulla. Photos of glomerular lesions. [Infarct TGLS = 9-7]</p>			
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
<p>[Hepatocellular Adenoma TGLS = 8-6]</p>			
* Lung		Foreign Body	Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Deep Cervical		
<p>[Leukemia Mononuclear TGLS = 2-15]</p>			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
<p>[Leukemia Mononuclear TGLS = 6-17]</p>			
Mesentery		Necrosis	Mild
<p>[Necrosis TGLS = 5-16]</p>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 613	TRT#: 6	SEX: Male	DAY ON TEST: 581
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42898

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Marked
	[Inflammation TGLS = 7-4]		
* Prostate		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-9]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Myocardium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 614

TRT#: 6

SEX: Male

DAY ON TEST: 529

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Brain		Compression	Marked
Note: Fragments of pituitary tumor attached to brain, fragments of CNS in section of pit tumor on slide 10.			
* Kidney	Cortex, Renal Tubule	Casts Granular	Minimal
	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615

TRT#: 6

SEX: Male

DAY ON TEST: 712

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Renal Tubule Papilla	Carcinoma Mineralization Nephropathy	Minimal Chronic, Moderate
[Carcinoma TGLS = 6-16]			
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Minimal
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 3-18+19]			
* Spleen		Hemorrhage Leukemia Mononuclear	Marked
[Hemorrhage TGLS = 8-20]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 615	TRT#: 6	SEX: Male	DAY ON TEST: 712
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42900

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 4-9]			

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

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 616

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 42901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* 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	Mild
		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Kidney	Cortex, Renal Tubule	Casts Granular	Minimal
	Cortex, Renal Tubule	Hyperplasia	Moderate
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-7]			
* Liver		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-17]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Skin		Cyst Epithelial Inclusion	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 616	TRT#: 6	SEX: Male	DAY ON TEST: 729
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42901

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 8-14]			Squamous Cell Papilloma
[Squamous Cell Papilloma TGLS = 1-15]			
* Spleen			Leukemia Mononuclear
* Testes	Bilateral, Interstit Cell		Adenoma
[Adenoma TGLS = 3,4-9+19]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 617

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 578

HISTO: 42902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Pleura
* 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
-------------------------	--------------------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Brain		Compression	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-6]			
* Kidney		Nephropathy	Chronic, Moderate
* Larynx		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 618

TRT#: 6

SEX: Male

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Moderate
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Prostate		Inflammation	Suppurative, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 619

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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 Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Minimal Moderate Chronic, Moderate
[Nephropathy TGLS = 8-7]			
* Liver		Eosinophilic Focus Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia Necrosis	Mild Moderate
Mesentery			
[Necrosis TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 619	TRT#: 6	SEX: Male	DAY ON TEST: 730
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42904

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 6-15]		
[Leukemia Mononuclear TGLS = 5-16]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 4-17]		
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 620

TRT#: 6

SEX: Male

DAY ON TEST: 647

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Islets, Pancreatic		Adenoma	
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Nose		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 5-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 620

TRT#: 6

SEX: Male

DAY ON TEST: 647

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42905

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Transit Epithe

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Cardiomyopathy;Pituitary Gland Pars Distalis Adenoma;Pituitary Gland Pars Distalis Hemorrhage;Prostate Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 621

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	Pleura	* 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 Medulla		Pheochromocytoma Benign	
* Bone Marrow		Thrombosis	Mild
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 622

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 3-9]			
[Atrophy TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 623

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 565

HISTO: 42908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-7]			
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
Note: photos taken of glomerular deposits . Also present in 641. Intraglomerular material is more basophilic, granular than typical of old rat nephropathy.			
Note: wierd glomerular lesion; photomic taken at 40x.			
* Lung	Alveolar Epith	Hyperplasia	Marked
		Thymoma Malignant	Metastatic (Thymus)
[Hyperplasia TGLS = 5-5]			
[Thymoma Malignant TGLS = 5-4,5]			
Peritoneum		Inflammation	Granulomatous, Moderate
Note: tgl 2 described at necropsy as in chest cavity, appears at histo exam to be peritoneal fat.			
[Inflammation TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thymus		Thymoma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 623

TRT#: 6

SEX: Male

DAY ON TEST: 565

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42908

ORGAN AND ACCOUNTABLE SITE STATUS

[Thymoma Malignant TGLS = 1-14]

PRIMARY CAUSE OF DEATH

- Thymus Thymoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 624

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 652

HISTO: 42909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Hemorrhage	Marked
		Liposarcoma	
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
Note: Renal tumor is also on slide 7.			
[Hemorrhage TGLS = 4-14]			
[Liposarcoma TGLS = 4-14]			
* Liver		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Pituitary Gland	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 1-10]			
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 3-17]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 624	TRT#: 6	SEX: Male	DAY ON TEST: 652
	DOSE: 1100 MG/M3	DISP: Natural Death	HISTO: 42909

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-16]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	- Kidney Liposarcoma	
CONTRIBUTORY CAUSE OF DEATH	- Kidney Hemorrhage; Pituitary Gland Pars Distalis Hemorrhage	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 625

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 705

HISTO: 42910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy Vacuolization Cytoplasmic Necrosis	Mild Mild Chronic, Marked Moderate Moderate
* Liver Mesentery [Necrosis TGLS = 2,4-14+15]			
* Nose	Olfactory Epi	Degeneration Foreign Body Inflammation Adenoma	Hyaline, Mild Mild Suppurative, Mild
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis		
* Stomach, Forestomach		Ulcer	Marked
* Stomach, Glandular [Ulcer TGLS = 7-16]		Ulcer	Marked
* Testes [Adenoma TGLS = 5-9]	Interstit Cell Germinal Epith	Adenoma Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 625	TRT#: 6	SEX: Male	DAY ON TEST: 705
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42910

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 6-9]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma		
CONTRIBUTORY CAUSE OF DEATH	- Stomach;Forestomach Ulcer;Stomach;Glandular Ulcer		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 626

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Liver	* Lymph Node, Bronchial	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Marked Minimal Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 2-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-9]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627

TRT#: 6

SEX: Male

DAY ON TEST: 684

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart	Ventricle	Thrombosis	Moderate
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-14]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Skin		Hyperkeratosis	Moderate
		Ulcer	Marked
[Hyperkeratosis TGLS = 1,2-16]			
[Ulcer TGLS = 2-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 627	TRT#: 6	SEX: Male	DAY ON TEST: 684
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42912

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 7-9]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Ventricle Thrombosis;Pituitary Gland Pars Distalis Adenoma;Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 628

TRT#: 6

SEX: Male

DAY ON TEST: 673

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Medulla		Mineralization	Marked
		Necrosis	Marked
		Pheochromocytoma Benign	
* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Preputial Gland		Cyst	
		Hyperplasia	Moderate
[Cyst TGLS = 3-14]			
[Hyperplasia TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 667

HISTO: 42914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	Moderate
[Thrombosis TGLS = 3-6]			
* Kidney	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Stomach, Glandular		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 629

TRT#: 6

SEX: Male

DAY ON TEST: 667

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42914

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 9-16]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 6,7-9+17]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis;Stomach;Glandular Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 630

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Pleura
* 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 Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Brain		Compression	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-7]		
* Mammary Gland		Galactoceles	Marked
	[Galactoceles TGLS = 1-14]		
* Nose		Foreign Body	Moderate
	Goblet Cell	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-10]		
* Testes	Artery	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 42916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-10]			
* Prostate		Inflammation	Suppurative, Marked
[Inflammation TGLS = 6-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 631

TRT#: 6

SEX: Male

DAY ON TEST: 675

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42916

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 7,8-16]

Leukemia Mononuclear

* Testes

[Adenoma TGLS = 5-9]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 632

TRT#: 6

SEX: Male

DAY ON TEST: 684

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
* Larynx		Foreign Body	Marked
* Liver		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
Lymph Node		Hyperplasia	Lymphoid, Moderate
	Note: focus of mesothelioma adjacent to cervical LN on slide 14 is interpreted as a floater.		
	[Hyperplasia TGLS = 2-14]		
Peritoneum		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 6,7-15+16]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 632	TRT#: 6	SEX: Male	DAY ON TEST: 684
	DOSE: 1100 MG/M3	DISP: Natural Death	HISTO: 42917

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Leukemia Mononuclear Adenoma Atrophy Mesothelioma Malignant	Moderate
[Adenoma TGLS = 5-9]			
[Atrophy TGLS = 4-9]			
[Mesothelioma Malignant TGLS = 7-16]			

PRIMARY CAUSE OF DEATH - Peritoneum Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 633

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial 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
-------------------------	--------------------------	---------------------------

OBSERVATIONS

* Kidney	Medulla Cortex, Renal Tubule	Casts Granular Hyperplasia Nephropathy	Moderate Moderate Chronic, Marked
* Lung Mesentery [Necrosis TGLS = 3-15]	Alveolus	Infiltration Cellular Necrosis	Histiocyte, Minimal Moderate
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Skin [Cyst Epithelial Inclusion TGLS = 1-14]		Cyst Epithelial Inclusion	Marked
* Testes [Adenoma TGLS = 4-9]	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 634

TRT#: 6

SEX: Male

DAY ON TEST: 593

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Pleura	* 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

* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Casts Granular	Minimal
	Cortex, Renal Tubule	Hyperplasia	Minimal
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Marked
* Liver		Inflammation	Granulomatous, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 635 **TRT#:** 6 **SEX:** Male **DAY ON TEST:** 465
DOSE: 1100 MG/M3 **DISP:** Moribund Sacrifice **HISTO:** 42920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Intestine Large, Colon		Hemorrhage	Moderate
[Hemorrhage TGLS = 8-18]			
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 7-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-14+15]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 635

TRT#: 6

SEX: Male

DAY ON TEST: 465

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42920

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 636

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 42921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia Nephropathy	Marked Chronic, Marked
[Nephropathy TGLS = 7-7]			
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia Necrosis	Minimal Moderate
Mesentery			
[Necrosis TGLS = 4-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Prostate		Hyperplasia Inflammation	Moderate Suppurative, Moderate
[Hyperplasia TGLS = 8-17]			
[Inflammation TGLS = 8-17]			
* Skin		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1,2-14+15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 636	TRT#: 6	SEX: Male	DAY ON TEST: 729
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42921

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 5-9]	Bilateral, Interstit Cell	Adenoma
------------------------------------	---------------------------	---------

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 637

TRT#: 6

SEX: Male

DAY ON TEST: 636

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* Pituitary Gland	Pleura	* 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
-------------------------	--------------------------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Brain		Hemorrhage	Moderate
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-16]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 637	TRT#: 6	SEX: Male	DAY ON TEST: 636
	DOSE: 1100 MG/M3	DISP: Natural Death	HISTO: 42922

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 2-9]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 638

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Moderate Mild Chronic, Mild
[Nephropathy TGLS = 2-7]			
* Lymph Node, Mediastinal		Infiltration Cellular	Histiocyte, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 639

TRT#: 6

SEX: Male

DAY ON TEST: 522

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Pleura	* 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 Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Cortex, Renal Tubule Papilla	Casts Granular Mineralization Nephropathy	Minimal Minimal Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Marked
Lymph Node	Deep Cervical	Angiectasis	Moderate
[Angiectasis TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 4-9]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	

Note: Diff dx on head mass: sq cell ca of oral cavity, salivary glands, or lacrimal glands.

[Carcinoma TGLS = 2,3-14+15]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 640

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mediastinal
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Preputial 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		Pheochromocytoma Benign	
* Kidney		Cyst	
	Cortex, Renal Tubule	Hyperplasia	Mild
	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Marked
[Cyst TGLS = 6-7]			
[Nephropathy TGLS = 5-7]			
* Liver		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-10]			
* Skin		Basal Cell Carcinoma	
	Subcut Tiss	Fibroma	
[Basal Cell Carcinoma TGLS = 1-14]			
[Fibroma TGLS = 7-15]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 640	TRT#: 6	SEX: Male	DAY ON TEST: 729
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42925

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-16]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 3,4-18]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 641

TRT#: 6

SEX: Male

DAY ON TEST: 563

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
Pleura	* 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

* Epididymis	Bilateral	Mesothelioma Malignant	
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Marked
	Cortex, Renal Tubule	Hyperplasia	Minimal
	Papilla	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6,7-6+15]		
* Lung		Leukemia Mononuclear	
Lymph Node	Thoracic	Ectasia	Marked
	Note: Axillary site not available for LN; listed as thoracic as closest location.		
	[Ectasia TGLS = 1-17]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-8]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 2-18]		
Peritoneum		Mesothelioma Malignant	
	Note: mesothelioma of peritoneum covering spleen on slide 14, mesenteric fat mass on slide 18.		
	[Mesothelioma Malignant TGLS = 2-18+14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 641	TRT#: 6	SEX: Male	DAY ON TEST: 563
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42926

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Suppurative, Mild
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
	[Accessory Spleen TGLS = 5-14]		
	[Leukemia Mononuclear TGLS = 3-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Bilateral	Mesothelioma Malignant	
	[Adenoma TGLS = 4-9]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 642

TRT#: 6

SEX: Male

DAY ON TEST: 683

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* 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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-1]			
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 2-13]			
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 642	TRT#: 6	SEX: Male	DAY ON TEST: 683
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42927

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-9]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 643

TRT#: 6

SEX: Male

DAY ON TEST: 645

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Papilla	Mineralization	Moderate
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Moderate
* Lung	Alveolus	Foreign Body	Mild
		Inflammation	Suppurative, Marked
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Thyroid Gland)
* Pituitary Gland	Pars Distalis	Adenoma	
Skeletal Muscle		Carcinoma	Metastatic (Thyroid Gland)
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 1-3]			

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 644

TRT#: 6

SEX: Male

DAY ON TEST: 691

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+5]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 7-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 644

TRT#: 6
DOSE: 1100 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 691
HISTO: 42929

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Moderate
-----------------	--------	-------------	----------

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
------------------------	----------	----------------------	--

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 645

TRT#: 6

SEX: Male

DAY ON TEST: 729

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Medulla Cortex, Renal Tubule Papilla	Casts Granular Hyperplasia Mineralization Nephropathy Fibroadenoma	Minimal Mild Moderate Chronic, Moderate
* Mammary Gland [Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland [Adenoma TGLS = 3-16]		Adenoma	
* Skin [Hemangioma TGLS = 5-15]	Subcut Tiss	Hemangioma	
* Testes [Adenoma TGLS = 4-17]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 646

TRT#: 6

SEX: Male

DAY ON TEST: 691

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	* 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		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Marked
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
	Pelvis, Transit Epithe	Hyperplasia	Mild
	Papilla	Mineralization	Marked
		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-7]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Infiltration Cellular TGLS = 3,4-14+15]		
Lymph Node	Pancreatic	Pigmentation	Marked
	[Pigmentation TGLS = 5-16]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
Pleura		Inflammation	Chronic, Mild
* Testes	Germinal Epith	Atrophy	Marked
	Artery	Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 646

TRT#: 6

SEX: Male

DAY ON TEST: 691

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42931

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 647

TRT#: 6

SEX: Male

DAY ON TEST: 691

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42932

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	Peritoneum
Pleura	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Blood Vessel	Pulmn Artery	Thrombosis	Marked
* Heart	Atrium	Thrombosis	Moderate
* Kidney	Cortex, Renal Tubule	Hyperplasia	Mild
	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-18]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-17]			
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 647	TRT#: 6	SEX: Male	DAY ON TEST: 691
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42932

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-14]			
[Leukemia Mononuclear TGLS = 3,4-15+16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-9]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Blood Vessel Pulmn Artery Thrombosis;Heart Atrium Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 648

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Parathyroid Gland	Peritoneum
* Pituitary Gland	Pleura	* 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
-------------------------	--------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex, Renal Tubule	Hyperplasia	Moderate
	Pelvis, Transit Epithe	Hyperplasia	Marked
	Cortex	Infarct	Marked
		Nephropathy	Chronic, Marked
Note: Diff dx on renal pelvic epithelial hyperplasia is papillary adenoma			
			[Infarct TGLS = 5-17]
			[Nephropathy TGLS = 6-7]
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
			[Clear Cell Focus TGLS = 2-15]
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
			[Hemorrhage TGLS = 1-14]
			[Hyperplasia TGLS = 8-4]
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 648	TRT#: 6	SEX: Male	DAY ON TEST: 730
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42933

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-16]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-16]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 7-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 649

TRT#: 6

SEX: Male

DAY ON TEST: 717

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Blood Vessel	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Kidney	Cortex, Renal Tubule Papilla	Hyperplasia Mineralization Nephropathy	Mild Marked Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Prostate		Inflammation	Suppurative, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 649

TRT#: 6

SEX: Male

DAY ON TEST: 717

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42934

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-9]

Germinal Epith

Atrophy

Marked

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 650

TRT#: 6

DOSE: 1100 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 642

HISTO: 42935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Papilla	Cyst Mineralization Nephropathy	Moderate Chronic, Mild
[Cyst TGLS = 6-16]			
* Liver	Hepatocyte	Clear Cell Focus Leukemia Mononuclear Regeneration	Marked Marked
[Leukemia Mononuclear TGLS = 4-6+14]			
[Regeneration TGLS = 5-14]			
* Lung	Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
Lymph Node			
[Leukemia Mononuclear TGLS = 3-18]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-17]			
* Preputial Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 650	TRT#: 6	SEX: Male	DAY ON TEST: 642
	DOSE: 1100 MG/M3	DISP: Moribund Sacrifice	HISTO: 42935

ORGAN AND ACCOUNTABLE SITE STATUS

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

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
------------------------	-------------------------------

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 101

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 42766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Pituitary Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Brain		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 102

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 42767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Minimal
[Inflammation TGLS = 2-5]			
* Spleen		Leukemia Mononuclear	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 103

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-17+18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Urinary Bladder	Transit Epithe	Hyperplasia	Moderate
	Transit Epithe	Leiomyosarcoma	
[Leiomyosarcoma TGLS = 2-14+15+16]		Ulcer	Marked

PRIMARY CAUSE OF DEATH - Urinary Bladder Leiomyosarcoma
 CONTRIBUTORY CAUSE OF DEATH - Urinary Bladder Transit Epithe Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 104

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 634
HISTO: 42769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Fibroadenoma	Minimal Chronic, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14+15+16]			
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus [Polyp Stromal TGLS = 3-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 105

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* 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	Moderate
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney		Nephropathy	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 106

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 42771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* 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
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Cyst	
		Hyperplasia	Minimal
[Cyst TGLS = 4-9]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Mild
	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 107

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Larynx | * Lung | * Lymph Node, Mediastinal |
| * Ovary | * Pancreas | * Parathyroid Gland | Peritoneum |
| Pleura | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|---------------|
| * Clitoral Gland | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Chronic, Mild |
| * Liver | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 6-8] | | | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14] | | | |
| * Nose | Olfactory Epi | Degeneration | Hyaline, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-10] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4,5-15] | | | |
| * Uterus | | Polyp Stromal | |
| [Polyp Stromal TGLS = 3-16] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 108

TRT#: 2

SEX: Female

DAY ON TEST: 712

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
Pleura		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Uterus		Hemorrhage	Marked
	Cervix	Sarcoma Stromal	
[Sarcoma Stromal TGLS = 3-14]			

PRIMARY CAUSE OF DEATH - Uterus Cervix Sarcoma Stromal

CONTRIBUTORY CAUSE OF DEATH - Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 109

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 110

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Moderate
[Clear Cell Focus TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1,2-14+16]			
* Ovary		Cyst	
[Cyst TGLS = 5-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 111

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
Pleura		Fibrosis Inflammation	Minimal Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 112

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 582

HISTO: 42777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Infarct	Moderate
		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 7-7]		
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 4-6]		
	[Vacuolization Cytoplasmic TGLS = 10-14]		
* Lung		Hemorrhage	Minimal
	[Hemorrhage TGLS = 2-4,5]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-16]		
* Mammary Gland		Fibroadenoma	
* Ovary		Cyst	
	[Cyst TGLS = 9-9]		
* Pituitary Gland	Pars Distalis	Cyst	
	[Cyst TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5,6-15]		
* Stomach, Glandular		Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 112	TRT#: 2	SEX: Female	DAY ON TEST: 582
	DOSE: CONTROL	DISP: Moribund Sacrifice	HISTO: 42777

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 13-10]
* Uterus
[Polyp Stromal TGLS = 8-10]

Polyp Stromal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 113

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 42778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | Peritoneum | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|----------------------------------|----------|-----------------------|---------------------|
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | Mild |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 2-15] | | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Pleura | | Inflammation | Chronic, Minimal |
| * Spleen | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 114

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye	Lens	Cataract	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
		Inflammation	Chronic, Mild
* Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
* Uterus	Endometrium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 115

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 6-17]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4,5-16+15]			
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 116

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Moderate
		Hemorrhage	Mild
* Kidney	Cortex, Renal Tubule	Inflammation	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 117

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Basophilic Focus Leukemia Mononuclear	Mild Chronic, Minimal
* Liver			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-17]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15+16]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
[Fibrosis TGLS = 2-17]			
* Spleen		Leukemia Mononuclear	
Tongue	Epithelium	Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 3-18]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 118

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 712

HISTO: 42783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Bronchial

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 7-5]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 118

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 712
HISTO: 42783

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-14]

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 119

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* 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	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Atrophy Pheochromocytoma Malignant	Moderate
[Pheochromocytoma Malignant TGLS = 5-16]			
* Esophagus	Periesoph Tiss	Necrosis	Fatty, Marked
[Necrosis TGLS = 6-15]			
* Kidney	Pelvis, Transist Epithe	Mineralization Nephropathy Pheochromocytoma Malignant	Minimal Chronic, Moderate Metastatic (Adrenal Medulla)
* Lung			
[Pheochromocytoma Malignant TGLS = 4-4+5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-17]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 120

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Larynx	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 121

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 42786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 122

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Inflammation	Chronic, Moderate
[Fibroadenoma TGLS = 1-15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Goblet Cell	Foreign Body	
		Hyperplasia	Mild
		Inflammation	Suppurative, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 123

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 6-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 123

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 42788

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 124

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 606

HISTO: 42789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Nose		Foreign Body	Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 125

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 537

HISTO: 42790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mediastinal

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
	[Hepatodiaphragmatic Nodule TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 8-17]		
* Lung	Interstitium Alveolar Epith	Fibrosis Hyperplasia Leukemia Mononuclear	Moderate Minimal
	[Leukemia Mononuclear TGLS = 6,7-14+15]		
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-18]		
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Hyperplasia	Moderate Moderate
	[Angiectasis TGLS = 2-10]		
* Spleen		Accessory Spleen Leukemia Mononuclear	
	[Accessory Spleen TGLS = 5-19]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 125

TRT#: 2

SEX: Female

DAY ON TEST: 537

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42790

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-16]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 126

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 42791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Mild Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-5]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis Inflammation	Mild Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 127

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 656
HISTO: 42792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Pancreas	* Parathyroid Gland	Peritoneum
* 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		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart	Atrium	Thrombosis	Marked
[Thrombosis TGLS = 2,4-15]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-5]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 7-14]			
Pleura		Fibrosis	Mild
[Inflammation TGLS = 5-5]		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 127

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42792

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 128

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Papilla	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Moderate
		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
		[Clear Cell Focus TGLS = 5-15]	
		[Hepatodiaphragmatic Nodule TGLS = 3-16]	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Ovary		Cyst	
		[Cyst TGLS = 2-9]	
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 6-10]	
Pleura		Fibrosis	Minimal
		[Fibrosis TGLS = 4-14]	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	
		[Carcinoma TGLS = 1-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 128

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42793

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 129

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-9+14]		Carcinoma	
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Mild
* Liver [Leukemia Mononuclear TGLS = 3-6]			
* Pituitary Gland [Hyperplasia TGLS = 2-10]	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 130

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Chronic, Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 131

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 698

HISTO: 42796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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, Bronchial	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
		Hemorrhage	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Moderate
	Bile Duct	Cyst	
	[Clear Cell Focus TGLS = 5,6-17+18]		
	[Cyst TGLS = 4-16]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2-14+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 132

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 495

HISTO: 42797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 2-1]			
* Heart	Atrium	Thrombosis	Moderate
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15+4+5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
Mesentery		Necrosis	Marked
[Necrosis TGLS = 5-14]			
* Spleen		Hemorrhage	Marked
		Leukemia Mononuclear	
		Necrosis	Marked
[Hemorrhage TGLS = 3-17]			
[Leukemia Mononuclear TGLS = 3-16+17+18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 132

TRT#: 2

SEX: Female

DAY ON TEST: 495

DOSE: CONTROL

DISP: Natural Death

HISTO: 42797

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 3,4-16]

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 133

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Multiple, Mild
[Clear Cell Focus TGLS = 2,4-14+15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-10]			
Pleura		Fibrosis	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 134

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Inflammation	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Minimal
[Inflammation TGLS = 2-5]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 135

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
[Cyst TGLS = 1-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
[Fibrosis TGLS = 3-5]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 136

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
[Fibrosis TGLS = 4-5]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 137

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Clear Cell Focus	Minimal Chronic, Minimal Minimal
* Liver [Clear Cell Focus TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland [Cyst TGLS = 2-10]	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 138

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain		Compression	Moderate
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Carcinoma	Metastatic (Mammary Gland)
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-15]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 3-16]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 138

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 42803

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-16]

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 139

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 4-7]		Hyperplasia	Marked
* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy Fibroadenoma	Minimal Mild Chronic, Minimal Multiple
* Mammary Gland [Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi Nasolacrim Dct	Degeneration Inflammation	Hyaline, Minimal Suppurative, Moderate
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 140

TRT#: 2

SEX: Female

DAY ON TEST: 509

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42805

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Kidney	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Minimal
* Larynx		Foreign Body	Marked
* Liver		Clear Cell Focus	Mild
[Clear Cell Focus TGLS = 3,4-14+6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 2-10]			
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-15]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 141

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Larynx	Epiglottis	Metaplasia	Squamous, Marked
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 142

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 1-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 143

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
Pleura		Fibrosis Inflammation	Minimal Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 144

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung	Interstitium	Fibrosis	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-5]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-5]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 145

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 42810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Moderate
* Eye	Cornea	Hyperplasia	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+18+19]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 4-16]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 145

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 42810

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 146

TRT#: 2

SEX: Female

DAY ON TEST: 540

DOSE: CONTROL

DISP: Natural Death

HISTO: 42811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Skin

MISSING

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

AUTO PRECLUDES DIAG.

* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Larynx	* Liver	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
Pleura	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex	Carcinoma
Note: autolysis prevents classification of this tumor; identifiable as most likely either a cortical ca or malignant pheo.	
[Carcinoma TGLS = 3-7]	
* Mammary Gland	Fibroadenoma
[Fibroadenoma TGLS = 1-14]	
* Ovary	Cyst
[Cyst TGLS = 2-9]	

PRIMARY CAUSE OF DEATH

- Adrenal Cortex Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 147

TRT#: 2

SEX: Female

DAY ON TEST: 481

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 42812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Liver		Hemorrhage	Marked
		Hepatodiaphragmatic Nodule	Marked
		Thrombosis	Marked
Note: liver hemorrhage is apparently related to HDN and huge sq tumor.			
[Hemorrhage TGLS = 3-15+16]			
[Thrombosis TGLS = 3-15+16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-17+18+19+20]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

- Liver Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 148

TRT#: 2
DOSE: CONTROL

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 42813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* 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		Vacuolization Cytoplasmic	Moderate
* Kidney		Leukemia Mononuclear	
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 149

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Eye	Lens	Cataract	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Mild
	Serosa	Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-16]			
* Mammary Gland		Carcinoma	
		Galactocele	Minimal
[Carcinoma TGLS = 1-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-16]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 149	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: CONTROL	DISP: Terminal Sacrifice	HISTO: 42814

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 150

TRT#: 2

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia Nephropathy Clear Cell Focus Leukemia Mononuclear	Minimal Chronic, Mild
* Liver			
[Clear Cell Focus TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Skin	Subcut Tiss	Schwannoma Benign	
[Schwannoma Benign TGLS = 2-15]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 501

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 43066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
* Thymus		Cyst	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
[Polyp Stromal TGLS = 4-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 502

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-14+15+16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 503

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 719

HISTO: 43068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Brain		Compression	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Moderate
	Pelvis, Transit Epithe	Mineralization	Moderate
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Marked
		Vacuolization Cytoplasmic	Marked
			[Clear Cell Focus TGLS = 6-15]
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
			[Fibroadenoma TGLS = 2,3-14+16]
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 5-10]
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 504

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 593

HISTO: 43069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* 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]			
* Lung	Interstitialium	Fibrosis	Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Squamous, Minimal
[Leukemia Mononuclear TGLS = 1-4+5]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 5-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 505

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Brain		Compression	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-7]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 506

TRT#: 5
DOSE: 550 MG/M3

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 575
HISTO: 43071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Bronchial * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Minimal
* Kidney		Infarct	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Interstitium	Fibrosis	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
Pleura		Fibrosis	Moderate
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 507

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 508

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 656

HISTO: 43073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Ovary	* Pancreas	Peritoneum
Pleura	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 7-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-17]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 6-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 508

TRT#: 5

SEX: Female

DAY ON TEST: 656

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43073

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Stomach, Forestomach Ulcer

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 509

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 2-13]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-15]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 510

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 506

HISTO: 43075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Larynx	Respirat Epith	Hyperplasia	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 511

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 1-15]		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver [Clear Cell Focus TGLS = 2-14]		Clear Cell Focus Leukemia Mononuclear	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 512

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-14+10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 513

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Clear Cell Focus	Minimal Chronic, Minimal
* Liver [Clear Cell Focus TGLS = 4-15]			
Mesentery [Necrosis TGLS = 5-14]		Necrosis	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary [Cyst TGLS = 2-9]		Cyst	
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
Pleura [Inflammation TGLS = 3-5]		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 514

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 691

HISTO: 43079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Lung |
| * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | Peritoneum |
| Pleura | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------------|---------------|----------------------|------------------|
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14+15+16] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 4-10] | | | |
| * Spleen | | Leukemia Mononuclear | |
| * Thyroid Gland | C Cell | Carcinoma | |
| [Carcinoma TGLS = 3-3] | | | |

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 515

TRT#: 5

SEX: Female

DAY ON TEST: 537

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Kidney	Nephropathy	Chronic, Minimal
* Liver	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+5]		
* Lymph Node, Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	
	Pars Distalis	Marked
[Adenoma TGLS = 1-10]	Adenoma	
	Hyperplasia	
	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]		

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 516

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 481

HISTO: 43081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Lung [Infiltration Cellular TGLS = 2-5]	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-14+15+16]		Fibroadenoma	
Pleura [Inflammation TGLS = 2-5]		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Hemorrhage	Moderate
[Carcinoma TGLS = 5-1]			
[Hemorrhage TGLS = 5-1]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Moderate
		Clear Cell Focus	
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-17]			
[Clear Cell Focus TGLS = 7-17]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 517

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43082

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 6-10]

* Spleen

Leukemia Mononuclear

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-18]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 518

TRT#: 5
DOSE: 550 MG/M3

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 43083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 2-15+16]		Carcinoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Mesentery [Necrosis TGLS = 3-14]		Necrosis	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 519	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 550 MG/M3	DISP: Terminal Sacrifice	HISTO: 43084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peritoneum	* 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

* Bone Marrow		Hyperplasia	Reticulum Cell, Marked
* Clitoral Gland		Hyperplasia	Marked
* Kidney		Cyst	
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
[Cyst TGLS = 3-14]			
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
* Nose	Globet Cell	Hyperplasia	Moderate
		Inflammation	Suppurative, Moderate
* Ovary		Cyst	
[Cyst TGLS = 2-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 520

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-15+16+17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Ovary		Cyst	
[Cyst TGLS = 6-19]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
	Mesothelium	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 2-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 520	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 550 MG/M3	DISP: Terminal Sacrifice	HISTO: 43085

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 7-18]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 521

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Mild
* Lung	Alveolus	Infiltration Cellular Necrosis	Histiocyte, Minimal Moderate
Mesentery [Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
Pleura [Inflammation TGLS = 3-5]		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 522

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 652

HISTO: 43087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Heart [Thrombosis TGLS = 5-6]	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver [Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Lung Lymph Node [Leukemia Mononuclear TGLS = 6-15]	Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 4-16]		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Spleen [Leukemia Mononuclear TGLS = 3-17]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 523

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* 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

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Inflammation	Minimal Chronic, Mild Chronic, Mild
* Larynx		Hepatodiaphragmatic Nodule	Marked
* Liver		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-15]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-5]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-5]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-16]			
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 523

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43088

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 524

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 481

HISTO: 43089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * 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 | * Kidney | * Larynx | * Lymph Node, Bronchial |
| * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | Pleura | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|----------------------------------|---------------|------------------|------------------|
| * Brain | | Compression | Moderate |
| * Liver | | Clear Cell Focus | Mild |
| [Clear Cell Focus TGLS = 2-14] | | | |
| * Lung | Vein | Fibrosis | Marked |
| * Nose | Olfactory Epi | Degeneration | Hyaline, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 525

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4,5-16+17]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:01
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 526

TRT#: 5

SEX: Female

DAY ON TEST: 726

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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

* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+16+17+19+20]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-18]			

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:01

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 527

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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

* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy Leukemia Mononuclear	Minimal Minimal Chronic, Mild
* Liver			
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 1-4+5]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-15]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 528

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 646

HISTO: 43093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 2-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-18]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 529

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 1-15]		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Lung		Hemorrhage	Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-15]		Fibroadenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus [Polyp Stromal TGLS = 2-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 530

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* 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	Peritoneum	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye [Cataract TGLS = 2-13]	Lens	Cataract	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Fibroadenoma	Minimal Chronic, Mild
* Mammary Gland [Fibroadenoma TGLS = 1-15+16]			
Mesentery [Necrosis TGLS = 6-14]		Necrosis	Moderate
* Ovary [Cyst TGLS = 5-9]		Cyst	
* Pituitary Gland [Adenoma TGLS = 4-10]	Pars Distalis	Adenoma	
* Thyroid Gland [Adenoma TGLS = 3-3]	C Cell C Cell	Adenoma Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 531

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 4-17]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 5-5]			
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 3-16]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 5-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 532

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

MISSING

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

OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Cyst	
		Fibrosis	Marked
	Papilla	Mineralization	Mild
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
[Cyst TGLS = 3-15+7]			
[Fibrosis TGLS = 3-15+7]			
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Urinary Bladder	Muscularis	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 533

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 43098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* 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

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-18]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+16+17+14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Pleura		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-19]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 534

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Complex	
[Pheochromocytoma Complex TGLS = 3-7]			
* Brain		Compression Hemorrhage	Mild Mild
[Hemorrhage TGLS = 1-1]			
* Eye	Antr Chamber	Inflammation	Suppurative, Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-14]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 534

TRT#: 5

SEX: Female

DAY ON TEST: 729

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43099

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Brain Compression

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 535

TRT#: 5

SEX: Female

DAY ON TEST: 732

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-16]		
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-10]		
Pleura		Inflammation	Chronic, Mild
	[Inflammation TGLS = 7,8-5+14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-15]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 6-17]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 536

TRT#: 5
DOSE: 550 MG/M3

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 726
HISTO: 43101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	Peritoneum	* 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 Medulla		Pheochromocytoma Benign	
* Kidney		Nephropathy	Chronic, Marked
* Liver		Angiectasis	Mild
		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
	[Leukemia Mononuclear TGLS = 7-6]		
	[Vacuolization Cytoplasmic TGLS = 7-6]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3,8-14+15+16]		
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-10]		
Pleura		Fibrosis	Minimal
	[Fibrosis TGLS = 9-5]		
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Sarcoma Stromal	
	[Sarcoma Stromal TGLS = 5-17+18+19]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 536

TRT#: 5

SEX: Female

DAY ON TEST: 726

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43101

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Sarcoma Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 537

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 43102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+16+17+18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 538

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 703

HISTO: 43103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
[Clear Cell Focus TGLS = 4-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 539

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Inflammation	Chronic, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-18]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 540

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 656

HISTO: 43105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* 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 Medulla		Hyperplasia	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-16]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 703

HISTO: 43106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Liver		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 7-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-14]			
* Nose	Olfactory Epi	Degeneration Foreign Body Inflammation	Hyaline, Minimal Moderate Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-17]			
* Stomach, Forestomach		Ulcer	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 541

TRT#: 5

SEX: Female

DAY ON TEST: 703

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43106

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 8-18] * Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 2-3] Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 1-16]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 542

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Pituitary Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 543

TRT#: 5
DOSE: 550 MG/M3

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 732
HISTO: 43108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Hemorrhage Carcinoma Fibroadenoma	Minimal Chronic, Minimal Mild Multiple
* Lung			
* Mammary Gland			
[Carcinoma TGLS = 2-15+16]			
[Fibroadenoma TGLS = 1,3-14+17]			
* Nose	Goblet Cell	Foreign Body Hyperplasia Inflammation Adenoma	Moderate Mild Suppurative, Minimal
* Pituitary Gland	Pars Distalis		
[Adenoma TGLS = 4-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 544

TRT#: 5

SEX: Female

DAY ON TEST: 732

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
Peritoneum	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
[Cyst TGLS = 1-9]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 545

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 606

HISTO: 43110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 1-1]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 6-6]		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Hemorrhage	Marked
[Hemorrhage TGLS = 5-14]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Urinary Bladder		Hemorrhage	Moderate
[Hemorrhage TGLS = 2-10]			
* Uterus	Endometrium	Hemorrhage	Marked
		Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 545

TRT#: 5

SEX: Female

DAY ON TEST: 606

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43110

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage;Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 546

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Clitoral Gland		Carcinoma Inflammation Metaplasia	Chronic, Marked Squamous, Marked
[Inflammation TGLS = 1,2-17]			
[Metaplasia TGLS = 1,2-17]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-15]			
[Leukemia Mononuclear TGLS = 5-6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
[Fibrosis TGLS = 7-14]			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia Polyp Stromal	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 546	TRT#: 5	SEX: Female	DAY ON TEST: 731
	DOSE: 550 MG/M3	DISP: Terminal Sacrifice	HISTO: 43111

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 6-16]

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 547

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Eye		Atrophy	Marked
[Atrophy TGLS = 1-13]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Nose	Goblet Cell	Hyperplasia	Mild
	Olfactory Epi	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 4-5]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Uterus		Atrophy	Marked
[Atrophy TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 548

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 5-19]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 4-18]			
* Lymph Node, Mediastinal		Angiectasis	Marked
[Angiectasis TGLS = 1-3]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
		Inflammation	Suppurative, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Pleura		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 548

TRT#: 5

SEX: Female

DAY ON TEST: 731

DOSE: 550 MG/M3

DISP: Terminal Sacrifice

HISTO: 43113

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 549

TRT#: 5
DOSE: 550 MG/M3

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 670
HISTO: 43114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-16]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-4]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 4-14]			
[Necrosis TGLS = 5-15]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 549

TRT#: 5

SEX: Female

DAY ON TEST: 670

DOSE: 550 MG/M3

DISP: Moribund Sacrifice

HISTO: 43114

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 550

TRT#: 5

DOSE: 550 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 43115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-5]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-14]			
* Ovary		Cyst	
[Cyst TGLS = 2-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 3,4-5+15]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 701

TRT#: 7

SEX: Female

DAY ON TEST: 401

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Liver	Hematopoietic Cell Proliferation	Marked
* Lung	Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 2,3,6-14+15+16]		
* Mammary Gland	Carcinoma	
[Carcinoma TGLS = 4-19+20+21]		
* Spleen	Accessory Spleen	
[Accessory Spleen TGLS = 5-18]	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 1-17]		

PRIMARY CAUSE OF DEATH

- Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 702

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 703

HISTO: 42947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain	Cerebellum	Gliosis	Mild
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 703

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 704

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 581

HISTO: 42949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Vacuolization Cytoplasmic	Mild
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 705 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 565
DOSE: 1100 MG/M3 **DISP:** Moribund Sacrifice **HISTO:** 42950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney [Infarct TGLS = 5-7]		Infarct	Moderate
* Liver [Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
Mesentery [Necrosis TGLS = 7-15]		Necrosis	Moderate
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Spleen [Hemorrhage TGLS = 3,4-14] [Leukemia Mononuclear TGLS = 2-14]		Hemorrhage Leukemia Mononuclear	Marked

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 706

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peritoneum	* 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		Vacuolization Cytoplasmic	Moderate
* Intestine Small, Jejunum		Leiomyoma	
		Ulcer	Marked
[Leiomyoma TGLS = 5-15]			
[Ulcer TGLS = 5-15]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 1-5]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
		Granulosa Cell Tumor Malignant	
[Cyst TGLS = 3-14]			
[Granulosa Cell Tumor Malignant TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 706

TRT#: 7
DOSE: 1100 MG/M3

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 42951

ORGAN AND ACCOUNTABLE SITE STATUS

Pleura

Fibrosis
Inflammation

Mild
Chronic, Mild

[Inflammation TGLS = 1-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 707

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Marked
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-13]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 3-14]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 707

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42952

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 7-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 708

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2,3,4-14+15+16]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 5-17]		
* Ovary		Cyst	
	[Cyst TGLS = 7-9]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-10]		
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
	[Fibrosis TGLS = 6-5]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 709

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 682

HISTO: 42954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Gliosis	Marked
		Hemorrhage	Marked
		Necrosis	Marked
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-9]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Mild
[Clear Cell Focus TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLS = 2,3-4+5]			
Mesentery		Necrosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
Pleura	Mesothelium	Carcinoma	Metastatic (Lung)
[Carcinoma TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma
 CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage;Brain Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 710

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 2-14]			
[Fibroadenoma TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10+1]			
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 711

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy	Minimal Mild Chronic, Moderate
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
Pleura [Fibrosis TGLS = 3-5]		Fibrosis Inflammation	Minimal Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 712

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 689

HISTO: 42957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 8-7]		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver [Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Lung [Infiltration Cellular TGLS = 10-5]	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-16]		Fibroadenoma	
Mesentery [Necrosis TGLS = 5-18]		Necrosis	Moderate
* Ovary [Cyst TGLS = 4-9]		Cyst	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
Pleura		Fibrosis Inflammation	Mild Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 712	TRT#: 7	SEX: Female	DAY ON TEST: 689
	DOSE: 1100 MG/M3	DISP: Natural Death	HISTO: 42957

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 10-5]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-14+15]			
* Spleen		Leukemia Mononuclear	
* Uterus		Hemorrhage	Marked
		Polyp Stromal	
[Hemorrhage TGLS = 6-17]			
[Polyp Stromal TGLS = 6-17]			

PRIMARY CAUSE OF DEATH	- Uterus	Polyp Stromal
CONTRIBUTORY CAUSE OF DEATH	- Uterus	Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 713

TRT#: 7

SEX: Female

DAY ON TEST: 698

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Angiectasis	Minimal
		Clear Cell Focus	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+15]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 714

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 610

HISTO: 42959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-15+16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 5-17]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 715

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Peritoneum	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular Necrosis	Histiocyte, Minimal Moderate
Mesentery [Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary [Cyst TGLS = 3-9]		Cyst	
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
Pleura [Fibrosis TGLS = 5-5]		Fibrosis Inflammation	Mild Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Uterus [Polyp Stromal TGLS = 4-10]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 715

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42960

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 716 **TRT#:** 7 **SEX:** Female **DAY ON TEST:** 730
DOSE: 1100 MG/M3 **DISP:** Terminal Sacrifice **HISTO:** 42961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 3-1]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-19]			
[Leukemia Mononuclear TGLS = 2-16]			
[Leukemia Mononuclear TGLS = 6-14]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-18]			
Mesentery		Necrosis	Marked
[Necrosis TGLS = 5-17]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 716	TRT#: 7	SEX: Female	DAY ON TEST: 730
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42961

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 7-14]	Leukemia Mononuclear
* Urinary Bladder [Leukemia Mononuclear TGLS = 4-20]	Leukemia Mononuclear
* Uterus [Leukemia Mononuclear TGLS = 10-21] [Polyp Stromal TGLS = 11-10]	Leukemia Mononuclear Polyp Stromal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 717

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-15]			
* Kidney		Nephropathy	Chronic, Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Mesentery		Necrosis	Marked
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10+1]			
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 5,6-5+14]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 4-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 718

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
	[Hepatodiaphragmatic Nodule TGLS = 6-14] [Leukemia Mononuclear TGLS = 4-6]		
* Mammary Gland		Carcinoma Fibroadenoma	Multiple
	[Carcinoma TGLS = 1-14] [Fibroadenoma TGLS = 2,3-9+15]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 5-10]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 719

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	

Note: Note small cluster of lymphocytes in adrenal, suggestive of mcl.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 720

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule Leukemia Mononuclear	Marked
	[Hepatodiaphragmatic Nodule TGLS = 8-15] [Leukemia Mononuclear TGLS = 7-6]		
* Lung	Interstitium Alveolus	Fibrosis Infiltration Cellular	Mild Histiocyte, Mild
	[Infiltration Cellular TGLS = 6-14]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,4-15+16+17]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
Pleura		Fibrosis Inflammation	Mild Chronic, Mild
	[Fibrosis TGLS = 6-14]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 720

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42965

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 5-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 721

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
Peritoneum	Pleura	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-15]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
	Goblet Cell	Hyperplasia	Moderate
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Uterus	Endometrium	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 721

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42966

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 722

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 433

HISTO: 42967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Kidney	* Larynx	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
[Angiectasis TGLS = 4-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 723

TRT#: 7

SEX: Female

DAY ON TEST: 695

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,4-14+15+16+17+18]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Ulcer	Marked
[Ulcer TGLS = 2-15+16+17]			

PRIMARY CAUSE OF DEATH

- Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 724

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	Peritoneum	* Pituitary Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Heart	Atrium	Thrombosis	Marked
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 6-14]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4+5]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,4-15+14]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 725

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 42970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 4-4+5]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,3-15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Skin		Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 726

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy Clear Cell Focus	Minimal Mild Chronic, Minimal Multiple, Minimal
* Liver [Clear Cell Focus TGLS = 4-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1,2-15+16]		Fibroadenoma	Multiple
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
Pleura		Inflammation	Chronic, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 727

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Mammary Gland		Carcinoma	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Cyst TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 728

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* 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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Cerebellum	Developmental Malformation Hemorrhage	Mild Minimal
* Clitoral Gland		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Necrosis	Minimal Chronic, Mild Marked
Mesentery [Necrosis TGLS = 1,2-14+15]			
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 729

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 710

HISTO: 42974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-17]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Marked
[Leukemia Mononuclear TGLS = 6-6+15]			
[Vacuolization Cytoplasmic TGLS = 7-15]			
* Lung	Interstitium	Fibrosis	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4+5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 9-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Spleen		Accessory Spleen	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 729

TRT#: 7

SEX: Female

DAY ON TEST: 710

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42974

ORGAN AND ACCOUNTABLE SITE STATUS

Hemorrhage

Marked

Leukemia Mononuclear

[Accessory Spleen TGLS = 8-16]

[Hemorrhage TGLS = 5-16]

[Leukemia Mononuclear TGLS = 4-16]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 730

TRT#: 7

SEX: Female

DAY ON TEST: 705

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	Peritoneum	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Inflammation	Chronic, Minimal
[Inflammation TGLS = 7,8-4+5]			
* Skin		Inflammation	Granulomatous, Marked
		Sarcoma	
[Inflammation TGLS = 3-14]			
* Spleen		Sarcoma	Metastatic (Skin)
[Sarcoma TGLS = 5,6-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 730

TRT#: 7

SEX: Female

DAY ON TEST: 705

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42975

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Inflammation

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 731

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Moderate
[Clear Cell Focus TGLS = 5,8-6+14]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3,4,7-14+17+18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 732

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Mild
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2,3-14+15+16]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-16]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 5-10]			
Pleura		Inflammation	Chronic, Mild
[Inflammation TGLS = 4-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 733

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Heart [Thrombosis TGLS = 7-6]	Atrium	Thrombosis	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Minimal
* Liver [Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
* Mammary Gland [Carcinoma TGLS = 3-15] [Fibroma TGLS = 2-14] [Galactocele TGLS = 2,8-14+16]		Carcinoma Fibroma Galactocele	Mild
* Pituitary Gland [Hyperplasia TGLS = 6-10]	Pars Distalis	Hyperplasia	Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 733

TRT#: 7

SEX: Female

DAY ON TEST: 726

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42978

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 734

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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

* Kidney	Cortex, Renal Tubule	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Hyperplasia	Minimal
	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	[Hepatodiaphragmatic Nodule TGLS = 5-17]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1,2,4-9+14+15+16]		
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 3-17]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 735

TRT#: 7

SEX: Female

DAY ON TEST: 683

DOSE: 1100 MG/M3

DISP: Natural Death

HISTO: 42980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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	* Nose	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Hemorrhage	Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 736

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Hyperplasia	Minimal Chronic, Mild Lymphoid, Mild
* Lymph Node, Mediastinal [Hyperplasia TGLS = 2-3]			
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 737

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 738

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 42983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lung | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | Peritoneum |
| Pleura | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------------------|---------------|---------------|-------------------|
| * Kidney | | Nephropathy | Chronic, Moderate |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-16] | | | |
| * Ovary | | Cyst | |
| [Cyst TGLS = 2-14] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-10] | | | |
| * Thyroid Gland | C Cell | Hyperplasia | Moderate |
| * Uterus | | Polyp Stromal | |
| [Polyp Stromal TGLS = 4-15] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 739

TRT#: 7

SEX: Female

DAY ON TEST: 610

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 5-6]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
Vagina		Sarcoma	
[Sarcoma TGLS = 3-15]			

PRIMARY CAUSE OF DEATH

- Vagina Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 740

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Liver
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* 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

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Fibroadenoma	Minimal Chronic, Mild
* Mammary Gland [Fibroadenoma TGLS = 3-14]			
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
Pleura [Inflammation TGLS = 4-5]		Inflammation	Chronic, Minimal
* Uterus [Polyp Stromal TGLS = 2-15]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 741

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	Minimal
[Clear Cell Focus TGLS = 3-6]			
* Mammary Gland		Galactocele	Mild
Mesentery		Necrosis	Marked
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 742

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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		Vacuolization Cytoplasmic	Mild
* Kidney	Papilla	Mineralization	Minimal
	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 1-14]			
[Fibroadenoma TGLS = 2-15+16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 743

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* 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	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* 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	Moderate
		Pheochromocytoma Benign	
* Heart	Ventricle	Hypertrophy	Moderate
[Hypertrophy TGLS = 2-14]			
* Kidney	Pelvis, Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		Vacuolization Cytoplasmic	Moderate
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Nose	Goblet Cell	Hyperplasia	Mild
		Inflammation	Suppurative, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 743

TRT#: 7

SEX: Female

DAY ON TEST: 731

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42988

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 744

TRT#: 7

SEX: Female

DAY ON TEST: 730

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Moderate
* Liver			
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Bronchial		Pigmentation	Mild
[Pigmentation TGLS = 1-15]			
* Lymph Node, Mediastinal		Leukemia Mononuclear Necrosis	Moderate
Mesentery			
[Necrosis TGLS = 6-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 745	TRT#: 7	SEX: Female	DAY ON TEST: 731
	DOSE: 1100 MG/M3	DISP: Terminal Sacrifice	HISTO: 42990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1,2-6]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 746

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
[Leukemia Mononuclear TGLS = 5-6]			
* Mammary Gland		Carcinoma	Multiple
		Fibroadenoma	Multiple
[Carcinoma TGLS = 2,7-14+16]			
[Fibroadenoma TGLS = 1,3-15+17]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 6-18]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 747

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 563

HISTO: 42992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Hyperplasia Nephropathy Clear Cell Focus Degeneration Leukemia Mononuclear	Marked Chronic, Mild Cystic, Mild
* Liver			
[Clear Cell Focus TGLS = 4,5-16+17]			
[Degeneration TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Carcinoma Leukemia Mononuclear Leukemia Mononuclear	Metastatic (Mammary Gland)
* Lymph Node, Bronchial			
[Leukemia Mononuclear TGLS = 1-14]			
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 2-18]			
* Spleen		Fibrosis Leukemia Mononuclear	Mild
[Fibrosis TGLS = 7-15]			
[Leukemia Mononuclear TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 747

TRT#: 7

SEX: Female

DAY ON TEST: 563

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42992

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 748

TRT#: 7

SEX: Female

DAY ON TEST: 722

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Larynx		Foreign Body	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Salivary Glands		Carcinoma	
[Carcinoma TGLS = 3-14]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Salivary Glands Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 7

DOSE: 1100 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 718

HISTO: 42994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Larynx	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Marked
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-18]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+16]			
Mesentery		Necrosis	Marked
[Necrosis TGLS = 5-17]			
* Pituitary Gland	Pars Distalis	Adenoma	
		Mineralization	Marked
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 749

TRT#: 7

SEX: Female

DAY ON TEST: 718

DOSE: 1100 MG/M3

DISP: Moribund Sacrifice

HISTO: 42994

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 750

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Moderate
[Clear Cell Focus TGLS = 3-14]			
* Lymph Node, Bronchial		Pigmentation	Moderate
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 5-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Inflammation	Chronic, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
[Polyp Stromal TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 750

TRT#: 7

SEX: Female

DAY ON TEST: 732

DOSE: 1100 MG/M3

DISP: Terminal Sacrifice

HISTO: 42995

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 901

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

INSUFFICIENT TISSUE

* Eye

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Minimal
* Liver	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lung	Pars Distalis	Angiectasis	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
[Angiectasis TGLS = 5-10]			
[Hyperplasia TGLS = 5-10]			
Pleura		Fibrosis	Mild
[Fibrosis TGLS = 3,4-14]			
* Spleen		Fibrosis Leukemia Mononuclear	Moderate
[Fibrosis TGLS = 2-15]			
[Leukemia Mononuclear TGLS = 1-15]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 902 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 731
DOSE: 2200 MG/M3 **DISP:** Terminal Sacrifice **HISTO:** 42827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 903

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Larynx | * Liver |
| * Lung | * Lymph Node, Bronchial | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| Peritoneum | * Pituitary Gland | Pleura | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|------------------------------|------------------------|-------------------|------------------|
| * Kidney | Pelvis, Transit Epithe | Mineralization | Minimal |
| | | Nephropathy | Chronic, Minimal |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14] | | | |
| * Thymus | | Thymoma Malignant | |

Note: on slide 3 but not connected to other thymic tissue. Diff dx floater from other tissue source, possibly mammary.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 904

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 905

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-14]		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-17]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 4-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 905

TRT#: 8

SEX: Female

DAY ON TEST: 682

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42830

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 906

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Bronchial
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mediastinal		Carcinoma	Metastatic (Thyroid Gland)
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,3-15+17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
[Cyst TGLS = 7-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-16]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 4-3]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 906

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42831

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 907

TRT#: 8

SEX: Female

DAY ON TEST: 712

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Bronchial
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Brain		Compression	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	Minimal
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
[Carcinoma TGLS = 5-16]			
[Fibroadenoma TGLS = 1-14]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Skin		Cyst Epithelial Inclusion	Marked
[Cyst Epithelial Inclusion TGLS = 2-15]			

PRIMARY CAUSE OF DEATH

- Skin Cyst Epithelial Inclusion

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 908

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* 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		Vacuolization Cytoplasmic	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Larynx	Epiglottis	Metaplasia	Squamous, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Ovary		Cyst	
[Cyst TGLS = 3-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 909

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* 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		Vacuolization Cytoplasmic	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Mammary Gland		Fibroadenoma	
	Epithelium	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-14]			
[Hyperplasia TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Marked
[Cyst TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 910

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 606

HISTO: 42835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 6-9]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Leukemia Mononuclear	
	Hepatocyte	Regeneration	Marked
[Leukemia Mononuclear TGLS = 7-6+14]			
[Regeneration TGLS = 8,9-6+14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Lymph Node, Mediastinal			
[Leukemia Mononuclear TGLS = 2-3]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
* Spleen		Leukemia Mononuclear	
		Thrombosis	Marked
[Leukemia Mononuclear TGLS = 4-15]			
[Thrombosis TGLS = 5-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 910

TRT#: 8

SEX: Female

DAY ON TEST: 606

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42835

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Spleen Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 911

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 549

HISTO: 42836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Mammary Gland	* Ovary	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
* Kidney	Cortex, Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 3,4-4+5]	
		[Necrosis TGLS = 3,4,5-4+5]	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-3]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		Necrosis	Marked
* Nose	Olfactory Epi	Degeneration	Hyaline, Marked
* Pancreas	Artery	Thrombosis	Marked
		[Thrombosis TGLS = 8-6]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
		[Leukemia Mononuclear TGLS = 6,7-6]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 911	TRT#: 8	SEX: Female	DAY ON TEST: 549
	DOSE: 2200 MG/M3	DISP: Moribund Sacrifice	HISTO: 42836

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 7-6]

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Spleen	Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 912

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 693

HISTO: 42837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* 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	* Liver	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 1-16]			
* Brain	Cerebellum	Glioma Malignant	
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

- Brain Cerebellum Glioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 913

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Degeneration	Cystic, Marked
[Degeneration TGLS = 3-7]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
Pleura		Fibrosis	Mild
* Skin	Subcut Tiss	Schwannoma Benign	
[Schwannoma Benign TGLS = 4-15]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 914

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 2200 MG/M3

DISP: Natural Death

HISTO: 42839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum * Intestine Small, Jejunum

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 5-9]		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Mild Chronic, Minimal
* Liver [Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Mammary Gland [Carcinoma TGLS = 5-9]		Carcinoma	
Mesentery [Necrosis TGLS = 4-15]		Necrosis	Marked
* Pituitary Gland [Adenoma TGLS = 1-10]	Pars Distalis	Adenoma	
* Spleen [Hemorrhage TGLS = 2-14]		Hemorrhage Leukemia Mononuclear	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 914

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 2200 MG/M3

DISP: Natural Death

HISTO: 42839

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Spleen Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 915

TRT#: 8

SEX: Female

DAY ON TEST: 506

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Brain		Compression	Marked
* Kidney		Nephropathy	Chronic, Minimal
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 916

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Clitoral Gland	* Esophagus	* 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
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Brain		Glioma Malignant	
* Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-13]			
* Kidney	Cortex	Cyst	
		Inflammation	Suppurative, Minimal
		Nephropathy	Chronic, Marked
[Cyst TGLS = 3-7]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Nose	Goblet Cell	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 917

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Mild
* Liver		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1,2-14+15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Spleen		Leukemia Mononuclear	
* Uterus		Hemorrhage	Marked
		Polyp Stromal	
[Hemorrhage TGLS = 3-16]			
[Polyp Stromal TGLS = 3-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 918

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* 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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Mild Chronic, Marked
[Hyperplasia TGLS = 6-9] [Inflammation TGLS = 4-9]			
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 1-13]			
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Clear Cell Focus	Minimal Chronic, Minimal Minimal
* Liver			
[Clear Cell Focus TGLS = 5-14]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2,4-15+16+17+18]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 919

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

INSUFFICIENT TISSUE

* Larynx

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Clear Cell Focus	Multiple, Moderate
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 3-14]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 920

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Leukemia Mononuclear	Minimal Chronic, Minimal
* Liver [Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear Leukemia Mononuclear	
* Lymph Node, Mediastinal [Leukemia Mononuclear TGLS = 2-3]			
* Mammary Gland [Fibroadenoma TGLS = 1-16+17]		Fibroadenoma	Multiple
Mesentery [Necrosis TGLS = 8-15]		Necrosis	Moderate
* Ovary [Cyst TGLS = 7-9]		Cyst	
* Pituitary Gland [Adenoma TGLS = 3-10]	Pars Distalis	Adenoma	
* Spleen [Leukemia Mononuclear TGLS = 6-14]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 920

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42845

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 921

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 625

HISTO: 42846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Larynx	* Lung	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
		Vacuolization Cytoplasmic	Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-15+16+17]			
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lymph Node, Bronchial		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 922

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
Pleura	* Salivary Glands	* 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		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
[Leukemia Mononuclear TGLS = 5-14]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-17]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Skin		Basal Cell Adenoma	
Note: good ex of comparison of polarizable keratin in adjacent skin but not in tumor.			
[Basal Cell Adenoma TGLS = 2-16]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-14]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 7-10]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 922

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42847

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 923

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Clear Cell Focus	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Minimal
* Skin		Inflammation	Chronic, Minimal
[Inflammation TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 924

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver	Serosa	Fibrosis	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Bronchiole	Hyperplasia	Focal, Mild
* Lymph Node, Mediastinal		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-3]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
[Carcinoma TGLS = 3-16]			
[Fibroadenoma TGLS = 1,2-14+15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-10]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 925

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 42850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lung	* Lymph Node, Mediastinal
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
Peritoneum	Pleura	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Brain		Compression	Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 6-7]			
* Liver		Leukemia Mononuclear	
	Hepatocyte	Regeneration	Marked
[Leukemia Mononuclear TGLS = 4-6]			
[Regeneration TGLS = 5-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 925

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42850

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 926

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 6-15]		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 927

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 589

HISTO: 42852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Lung		Carcinoma	Metastatic (Mammary Gland)
[Carcinoma TGLS = 4,5,6-4+5+14]			
* Mammary Gland		Carcinoma	
		Fibroadenoma	
Note: very benign, fibroadenomatous looking mass, with only one focus of malignant-appearing cells, adjacent to large duct.			
[Fibroadenoma TGLS = 3-15]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
	Nasolacrim Dct	Inflammation	Suppurative, Moderate
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 928

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 3-9]		Adenoma	
* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy Fibroadenoma	Mild Moderate Chronic, Moderate
* Mammary Gland [Fibroadenoma TGLS = 1-14]			
Mesentery [Necrosis TGLS = 4-15]		Necrosis	Mild
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 929

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | Ear | * 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 | * Lymph Node, Mediastinal |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | Peritoneum | * Pituitary Gland | Pleura |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

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

OBSERVATIONS

- | | | | |
|------------------|---------------|-----------------------|---------------------|
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Clitoral Gland | | Adenoma | |
| * Kidney | | Nephropathy | Chronic, Minimal |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Nose | Olfactory Epi | Degeneration | Hyaline, Mild |
| * Uterus | | Decidual Reaction | Marked |
| | Endometrium | Hyperplasia | Moderate |
| | | Necrosis | Marked |

Note: The lesions in the uterus and bone marrow look similar.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 930

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy	Minimal Minimal Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-14]		Fibroadenoma	
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Ovary [Cyst TGLS = 1-9]		Cyst	
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 931

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	Peritoneum
Pleura	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe Pelvis, Transit Epithe	Hyperplasia Mineralization Nephropathy Angiectasis	Mild Mild Chronic, Moderate Mild
* Liver			
[Angiectasis TGLS = 3-6]			
* Lung	Interstitialium Alveolar Epith Alveolus	Fibrosis Hyperplasia Proteinosis Carcinoma	Mild Minimal Minimal
* Mammary Gland			
[Carcinoma TGLS = 2-14]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 932

TRT#: 8

SEX: Female

DAY ON TEST: 611

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Eye [Cataract TGLS = 1-13]	Lens	Cataract	Marked
* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Minimal Chronic, Minimal
* Liver		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Capillary, Myometrium	Degeneration Hyperplasia	Marked Marked
		Prolapse	

Note: Cause of moribund sac is prolapsed uterus.

[Hyperplasia TGLS = 2-14]

[Prolapse TGLS = 2-14]

PRIMARY CAUSE OF DEATH

- Uterus Degeneration

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 933 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 694
DOSE: 2200 MG/M3 **DISP:** Moribund Sacrifice **HISTO:** 42858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Heart	Atrium	Thrombosis	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	Minimal
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 2-6]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-14]		
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Mild

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 934

TRT#: 8

SEX: Female

DAY ON TEST: 522

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Pleura	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart	Myocardium	Degeneration	Moderate
		Leukemia Mononuclear	
	[Degeneration TGLS = 2-14]		
	[Leukemia Mononuclear TGLS = 2-14]		
* Kidney		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Nose	Olfactory Epi	Degeneration	Hyaline, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 4-6]		
	[Necrosis TGLS = 5-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 935

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Minimal
[Hemorrhage TGLS = 1-14]			
[Hyperplasia TGLS = 1-14]			
Mesentery		Necrosis	Mild
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 936

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 42861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx
* Lung	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Pituitary Gland	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Necrosis	Marked
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-1]			
* Eye	Lens	Cataract	Marked
[Cataract TGLS = 2-13]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 3-14]		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 4-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Brain Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Adrenal Cortex Necrosis;Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 936

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42861

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 937

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 674

HISTO: 42862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	Mesentery	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	Pleura
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy	Mild Chronic, Mild
* Liver		Leukemia Mononuclear Vacuolization Cytoplasmic	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Lung	Alveolus	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Infiltration Cellular TGLS = 4-5]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-18]			
* Mammary Gland		Carcinoma	Multiple
[Carcinoma TGLS = 1,2-15+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-10]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-14]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 8-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 937

TRT#: 8

SEX: Female

DAY ON TEST: 674

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42862

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 938

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 696

HISTO: 42863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-14]	
		[Leukemia Mononuclear TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mediastinal		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLS = 2-10]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-14]	
* Uterus		Hemorrhage	Marked
		Polyp Stromal	
		[Polyp Stromal TGLS = 6-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 938

TRT#: 8

SEX: Female

DAY ON TEST: 696

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42863

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Uterus Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 939

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* 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		Vacuolization Cytoplasmic	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Moderate
* Mammary Gland		Carcinoma	
		Galactocele	Marked
[Carcinoma TGLS = 1-15]			
[Galactocele TGLS = 4-9]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 940

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 656

HISTO: 42865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney	Pelvis, Transit Epithe	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung	Interstitial	Fibrosis	Minimal
	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Inflammation	Suppurative, Marked
		Necrosis	Marked
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 4-14]			

PRIMARY CAUSE OF DEATH - Uterus Sarcoma Stromal
 CONTRIBUTORY CAUSE OF DEATH - Uterus Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 940

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42865

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 941

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization Nephropathy Angiectasis	Minimal Chronic, Mild Moderate
* Liver [Angiectasis TGLS = 4-15]			
* Mammary Gland [Fibroadenoma TGLS = 1-14]		Fibroadenoma	
Mesentery [Necrosis TGLS = 3-15]		Necrosis	Moderate
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland [Adenoma TGLS = 2-10]	Pars Distalis	Adenoma	
* Urinary Bladder	Muscularis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 942

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 2200 MG/M3

DISP: Terminal Sacrifice

HISTO: 42867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Larynx		Foreign Body	Marked
* Pituitary Gland	Pars Distalis	Cyst	
Pleura		Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 943

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 621

HISTO: 42868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Larynx	* Liver	* Lung
* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Pituitary Gland
Pleura	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Skin	Subcut Tiss	Fibroma	

[Fibroma TGLS = 1-14+15+16]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 944

TRT#: 8

SEX: Female

DAY ON TEST: 451

DOSE: 2200 MG/M3

DISP: Natural Death

HISTO: 42869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|------------------------|---------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Clitoral Gland | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Islets, Pancreatic |
| * Kidney | * Larynx | * Lymph Node, Mediastinal | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | Pleura | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

MISSING

- * 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

- | | |
|-------------------------|----------------------|
| * Liver | Leukemia Mononuclear |
| * Lung | Leukemia Mononuclear |
| * Lymph Node, Bronchial | Leukemia Mononuclear |
| * Spleen | Leukemia Mononuclear |
| | Necrosis |
| | Moderate |

[Leukemia Mononuclear TGLS = 1-15]

[Necrosis TGLS = 2-14]

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Spleen Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 945

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO: 42870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* 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	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	Peritoneum	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Mild
* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-17]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 5-18]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-10]			
Pleura		Fibrosis	Mild
		Inflammation	Chronic, Mild
[Inflammation TGLS = 6-5]			
* Spleen		Leukemia Mononuclear	
* Uterus		Hemorrhage	Marked
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 945

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42870

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 4-14+15+16]

PRIMARY CAUSE OF DEATH

- Uterus Hemorrhage

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma; Uterus Polyp Stromal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 946

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 42871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14+15]			
Mesentery		Necrosis	Moderate
[Necrosis TGLS = 3-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 947

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Larynx	* Lymph Node, Mediastinal
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	Peritoneum	Pleura	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	Marked
	Hepatocyte	Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 4-14]	Regeneration	Marked
	[Regeneration TGLS = 5-15]		
* Lung		Leukemia Mononuclear	
Mesentery		Necrosis	Moderate
	[Necrosis TGLS = 6-14]		
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLS = 3-10]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 2-10]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05
Test Type: CHRONIC
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Stoddard solvent (type IIC)
CAS Number: 64742-88-7

Date Report Requested: 10/22/2014
Time Report Requested: 02:20:02
First Dose M/F: NA / NA
Lab: BNW

ANIMAL ID: 947

TRT#: 8

SEX: Female

DAY ON TEST: 718

DOSE: 2200 MG/M3

DISP: Moribund Sacrifice

HISTO: 42872

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 948

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 285

HISTO: 42873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Liver	* Lymph Node, Mediastinal	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

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

OBSERVATIONS

* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
* Nose	Olfactory Epi	Degeneration	Hyaline, Minimal
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Minimal
* Skin		Ulcer	Marked

[Ulcer TGLS = 1-14+15]

PRIMARY CAUSE OF DEATH

- Skin Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 949

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 537

HISTO: 42874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Larynx
* Lymph Node, 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, Mandibular

OBSERVATIONS

* Liver		Leukemia Mononuclear	
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 3-14]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-15]			
* Lymph Node, Bronchial		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
* Nose	Olfactory Epi	Degeneration	Hyaline, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-10]			
Pleura		Fibrosis	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 96001-05

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Stoddard solvent (type IIC)

CAS Number: 64742-88-7

Date Report Requested: 10/22/2014

Time Report Requested: 02:20:02

First Dose M/F: NA / NA

Lab: BNW

ANIMAL ID: 950

TRT#: 8

DOSE: 2200 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 42875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

OBSERVATIONS

* Kidney	Pelvis, Transit Epithe	Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	Marked
[Hepatodiaphragmatic Nodule TGLS = 1-14]			
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Galactocele	Minimal
[Galactocele TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Pleura		Fibrosis	Minimal
		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE