

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

<b>C Number:</b>	C55301B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Male
<b>PWG Approval Date</b>	NONE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903042
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Hyaline, Minimal
	Renal Tubule	Hydronephrosis	Minimal
		Regeneration	Minimal

Note: [ HYDRONEPHROSIS ] TGLs = 1-4  
Note: MALLORY-HEIDENHAIN'S STAIN

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903043
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration Mineralization	Hyaline, Minimal Minimal
--------	--------------	--------------------------------	-----------------------------

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903044
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Stomach	Glandular	Inflammation	Acute, Minimal
Note: A FEW EOSINOPHILS IN SUBMUCOSA			
Testes	Seminif Tub	Giant Cell	Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903045
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Heart	Cardiomyopathy	Mild	
Note: ANITSCHKOW MYOCYTES, HEMORRHAGE, AND PIGMENT			
Kidney	Casts	Minimal	
	Mineralization	Minimal	
	Renal Tubule	Regeneration	Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903046
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Mineralization	Minimal
--------	----------------	---------

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903047
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Lumbar	Hyperplasia	Lymphoid, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild

Note: [ HYPERPLASIA ] TGLs = 1-15

Note: PROBABLY CHARACTERISTIC OF THE WISTAR STRAIN RATS.

Note: LYMPHOCYTES, AND 'HISTIOCYTES' ARE

Note: THE LARGE LYMPH NODES, INCREASE OF

---

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903048
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Hydronephrosis	Mild
	Renal Tubule	Regeneration	Minimal
Note: [ HYDRONEPHROSIS ] TGLs = 1-4			
Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Nose		Inflammation	Acute, Minimal

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903049
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Mineralization	Minimal
--------	----------------	---------

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903050
---------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Mineralization	Minimal
Preputial Gland	Inflammation	Chronic Active, Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 1 <b>DOSE:</b> 0 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903051
----------------------	--------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Urin Bladder			

Note: TGL #1: CALCULUS NOT FOUND AT TRIMMING OR IN RECUT

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 2 <b>DOSE:</b> 50 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903092
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Hydronephrosis	Minimal
	Renal Tubule	Regeneration	Minimal

Note: [ HYDRONEPHROSIS ] TGLs = 1-4

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 12

**TRT#:** 2  
**DOSE:** 50 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903093

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney	Renal Tubule	Regeneration	Minimal
--------	--------------	--------------	---------

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 50 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903094

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney

Casts

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 2 <b>DOSE:</b> 50 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903095
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b> Liver			
<b>OBSERVATIONS</b> Kidney		Mineralization Regeneration	Minimal Minimal
	Renal Tubule		
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 50 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903096

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 1-9 ]			

---

PRIMARY CAUSE OF DEATH

-

---



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 16

**TRT#:** 2  
**DOSE:** 50 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903097

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 2 <b>DOSE:</b> 50 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903098
----------------------	---------------------------------------	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**  
Liver Skin

---

**OBSERVATIONS**  
Kidney Renal Tubule Regeneration Minimal  
Skin  
Note: TGL #1: NO FOCUS; BLOOD VESSEL IN SUB CUTIS

---

PRIMARY CAUSE OF DEATH -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 18

**TRT#:** 2  
**DOSE:** 50 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903099

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney

Hydronephrosis  
Mineralization

Minimal  
Minimal

---

Note: [ HYDRONEPHROSIS ] TGLs = 1-4

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 19

**TRT#:** 2  
**DOSE:** 50 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903100

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 2 <b>DOSE:</b> 50 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903101
<b>OBSERVATIONS</b>			
Kidney		Casts Inflammation Mineralization	Minimal Chronic, Minimal Mild
	Renal Tubule	Regeneration Necrosis	Minimal Focal, Minimal
Liver			
<hr/> <b>PRIMARY CAUSE OF DEATH</b> - <hr/>			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 3 <b>DOSE:</b> 100 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903082
<b>OBSERVATIONS</b>			
Kidney		Casts Inflammation Regeneration	Minimal Chronic, Mild Minimal
Liver	Renal Tubule	Necrosis	Focal, Minimal
Lymph Node [ Hyperplasia TGLS = 1-9 ]	Mandibular	Hyperplasia	Lymphoid, Moderate
<hr/>			
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 22

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 100 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903083

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

Liver

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 23

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 100 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903084

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

---

**OBSERVATIONS**

Liver

Clear Cell Focus

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 100 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903085

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 100 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903086

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**  
Liver

---

**OBSERVATIONS**

Kidney		Casts	Minimal
	Renal Tubule	Regeneration	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 26

**TRT#:** 3  
**DOSE:** 100 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903087

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney

Mineralization

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 100 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903088

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney	Casts	Minimal
	Mineralization	Minimal
Renal Tubule	Regeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 3 <b>DOSE:</b> 100 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903089
----------------------	--	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b> Liver			
<b>OBSERVATIONS</b> Kidney	Renal Tubule	Casts Regeneration	Minimal Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 100 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903090

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b>			
Liver			
<b>OBSERVATIONS</b>			
Kidney		Mineralization	Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 30

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 100 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903091

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

---

**OBSERVATIONS**

Liver

Necrosis

Focal, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903072

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Casts	Mild
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	

[ Calculus Gross Observation TGLS = 1-9.1 ]

---

PRIMARY CAUSE OF DEATH

-

---



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 32

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903073

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 4 <b>DOSE:</b> 250 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903074
<b>OBSERVATIONS</b>			
Kidney		Casts Mineralization	Minimal Mild
	Renal Tubule	Regeneration	Minimal
Liver		Clear Cell Focus	Minimal
<hr/>			
PRIMARY CAUSE OF DEATH	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 34	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903075

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver			

Note: SINGLE CELL NECROSIS

---

PRIMARY CAUSE OF DEATH

---

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903076

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Casts	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Urinary Bladder		Concretion	Mild

Note: [ CONCRETION ] TGLs = 1-9

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 4 <b>DOSE:</b> 250 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903077
<b>OBSERVATIONS</b>			
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 1-9			
<b>PRIMARY CAUSE OF DEATH</b>			
-			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 37

**TRT#:** 4  
**DOSE:** 250 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903078

---

**OBSERVATIONS**

Kidney  
Liver

Mineralization  
Inflammation

Minimal  
Chronic, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903079

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

<b>NORMAL</b>			
Liver			
<b>OBSERVATIONS</b>			
Kidney		Casts	Mild
		Mineralization	Mild
	Renal Tubule	Regeneration	Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 4 <b>DOSE:</b> 250 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903080
----------------------	--	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 4	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 250 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903081

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

---

**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903062
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Note: HYDROPIIC DEGENERATION			
<hr/> <b>PRIMARY CAUSE OF DEATH</b> -			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

**ANIMAL ID:** 43

**TRT#:** 5  
**DOSE:** 500 PPM

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

**DAY ON TEST:** 92  
**HISTO:** 903064

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal

Note: SINGLE CELL NECROSIS AND INFLAMMATORY CELLS

Note: HYDROPIIC DEGENERATION

---

**PRIMARY CAUSE OF DEATH**

-

---

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903065
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Note: HYDROPIIC DEGENERATION			
Testes		Edema	Minimal
[ Edema TGLS = 1-7 ]			
<hr/> <b>PRIMARY CAUSE OF DEATH</b> - <hr/>			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903066
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
	Centrilobular	Necrosis	Minimal
		Pigmentation	Minimal
Note: HYDROPIIC DEGENERATION			
<hr/> <b>PRIMARY CAUSE OF DEATH</b> -			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903067
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
<hr/>			
PRIMARY CAUSE OF DEATH	-		

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903068
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Mineralization	Minimal
Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Minimal

---

<b>PRIMARY CAUSE OF DEATH</b>	-
-------------------------------	---

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903069
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Degeneration	Hyaline, Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Minimal

---

<b>PRIMARY CAUSE OF DEATH</b>	-
-------------------------------	---

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903070
<b>OBSERVATIONS</b>			
Heart		Cardiomyopathy	Minimal
Kidney		Mineralization	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Note: HYDROPIIC DEGENERATION			
<b>PRIMARY CAUSE OF DEATH</b> -			

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 5 <b>DOSE:</b> 500 PPM	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 92 <b>HISTO:</b> 903071
----------------------	--	---	--

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Heart

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Minimal
		Pigmentation	Minimal

Note: HYDROPIIC DEGENERATION

---

PRIMARY CAUSE OF DEATH

-

---

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 51	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903052

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**MISSING**

Parathyroid Gland

---

**OBSERVATIONS**

Kidney		Casts	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Minimal
		Pigmentation	Minimal

---

Note: SINGLE CELL NECROSIS

---

PRIMARY CAUSE OF DEATH

---

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 52	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903053

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	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	Nose	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea

---

**MISSING**

Esophagus	Parathyroid Gland
-----------	-------------------

---

**OBSERVATIONS**

Kidney		Casts	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Minimal
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 2-9			
Urinary Bladder		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-9			

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:53  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 53

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903054

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Kidney		Mineralization	Minimal
Liver		Hypertrophy	Minimal
		Inflammation	Chronic, Marked
	Centrilobular	Necrosis	Mild
		Pigmentation	Mild
Note: [ NECROSIS ] TGLs = 4-6			
Preputial Gland		Inflammation	Chronic Active, Mild
Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	

Note: [ CALCUS MIC OBS ] TGLs = 3-9

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55301-03  
Test Type: 90-DAY  
Species/Strain: Rat/WISTAR OUTBR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Pyridine  
CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
Time Report Requested: 15:45:54  
First Dose M/F: NA / NA  
Lab: TSI MASON

---

<b>ANIMAL ID:</b> 54	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903055

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration Mineralization	Hyaline, Minimal Minimal
Liver	Renal Tubule Centrilobular	Regeneration Degeneration Hypertrophy Inflammation Pigmentation	Minimal Minimal Minimal Chronic, Mild Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:54  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 55	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903056

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**MISSING**

Mammary Gland

---

**OBSERVATIONS**

Kidney		Mineralization	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Thyroid GI			

Note: ULTIMOBRANCHIAL BODY

---

PRIMARY CAUSE OF DEATH

---

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55301-03  
Test Type: 90-DAY  
Species/Strain: Rat/WISTAR OUTBR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Pyridine  
CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
Time Report Requested: 15:45:54  
First Dose M/F: NA / NA  
Lab: TSI MASON

---

<b>ANIMAL ID:</b> 56	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903057

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration Inflammation Mineralization	Hyaline, Minimal Chronic, Minimal Minimal
Liver	Renal Tubule Centrilobular	Regeneration Degeneration Hypertrophy Inflammation	Minimal Minimal Minimal Chronic, Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:54  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

**ANIMAL ID:** 57

**TRT#:** 6

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 1000 PPM

**DISP:** Terminal Sacrifice

**HISTO:** 903058

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Casts	Minimal
		Casts Granular	Minimal
	Renal Tubule	Degeneration	Hyaline, Minimal
		Inflammation	Chronic, Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Mild
Liver	Centrilobular	Clear Cell Focus	
		Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Moderate
		Pigmentation	Mild
		Regeneration	Mild
Lung		Edema	Minimal
		Hemorrhage	Minimal
Stomach	Glandular	Inflammation	Acute, Minimal

Note: A FEW EOSINOPHILS IN SUBMUCOSA

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:54  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 58	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903059

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal
Note: HYDROPIIC DEGENERATION			
Lung		Edema	Minimal

---

**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 55301-03  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/WISTAR OUTBR

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Pyridine  
**CAS Number:** 110-86-1

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 15:45:54  
**First Dose M/F:** NA / NA  
**Lab:** TSI MASON

---

<b>ANIMAL ID:</b> 59	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903060

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Kidney	Renal Tubule	Degeneration Mineralization	Hyaline, Minimal Minimal
Liver	Renal Tubule Centrilobular	Regeneration Degeneration Hypertrophy Inflammation Pigmentation	Minimal Minimal Minimal Chronic, Mild Minimal

---

**PRIMARY CAUSE OF DEATH**

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 55301-03  
Test Type: 90-DAY  
Species/Strain: Rat/WISTAR OUTBR

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Pyridine  
CAS Number: 110-86-1

Date Report Requested: 10/21/2014  
Time Report Requested: 15:45:54  
First Dose M/F: NA / NA  
Lab: TSI MASON

---

<b>ANIMAL ID:</b> 60	<b>TRT#:</b> 6	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 903061

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

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

---

**OBSERVATIONS**

Heart		Cardiomyopathy	Minimal
Kidney		Casts	Minimal
		Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver	Centrilobular	Degeneration	Mild
		Hypertrophy	Minimal
		Inflammation	Chronic, Mild
		Pigmentation	Minimal

---

Note: HYDROPIIC DEGENERATION

Note: [ DEGEN ] TGLs = 1-6+6.1

---

PRIMARY CAUSE OF DEATH -

---

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE