

**TDMS No.** 99002 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
**CAS Number:** 109-09-1

**Date Report Requested:** 01/15/2009  
**Time Report Requested:** 08:39:57  
**First Dose M/F:** 07/28/03 / 07/29/03  
**Lab:** MBA

F2\_R2

**C Number:** C99002B  
**Lock Date:** 12/16/2004  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

TDMS No. 99002 - 03  
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
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Date Report Requested: 01/15/2009  
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First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	1	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-1

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ORGAN AND ACCOUNTABLE SITE STATUS

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**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	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Minimal
* Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	2	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-2

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ORGAN AND ACCOUNTABLE SITE STATUS

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**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	* Liver	* Lung	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

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

\* Salivary Glands

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**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
* Saliv Glands			
Note: PAROTID GLAND MISSING.			
* Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	3	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-3

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ORGAN AND ACCOUNTABLE SITE STATUS

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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
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

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MISSING

\* Lymph Node, Mandibular

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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
* Spleen		Pigmentation	Minimal
* Thyroid Gland		Ectopic Thymus	

TDMS No. 99002 - 03  
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Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	4	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-4

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ORGAN AND ACCOUNTABLE SITE STATUS

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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	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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MISSING

\* Lymph Node, Mandibular

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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
* Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	5	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-5

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ORGAN AND ACCOUNTABLE SITE STATUS

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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	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
* Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	6	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-6

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ORGAN AND ACCOUNTABLE SITE STATUS

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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	* Liver	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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MISSING

* Lymph Node, Mandibular	* Mammary Gland
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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	7	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-7

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ORGAN AND ACCOUNTABLE SITE STATUS

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NORMAL

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

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MISSING

\* Lymph Node, Mandibular

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OBSERVATIONS

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Eye	Postr Chamber	Developmental Malformation	
	Note: no optic nerve in sections		
	Note: PERSISTENT VASCULATURE, RETINAL ATROPHY AND DYSPLASIA, SIDEROPHAGES		
* Heart		Inflammation	Chronic, Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
* Lung		Metaplasia	Osseous, Minimal
* Spleen		Congestion Hematopoietic Cell Proliferation Pigmentation	Minimal Mild Minimal



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 8	<b>TMT:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-8

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Salivary Glands	Parotid Gl	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	9	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-9

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ORGAN AND ACCOUNTABLE SITE STATUS

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**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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Trachea
* Urinary Bladder			

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Mononuclear Cl, Focal, Minimal
		Metaplasia	Osseous, Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal
* Thyroid Gland		Cyst	

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	10	TMT:	1	SEX:	Male	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-10

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ORGAN AND ACCOUNTABLE SITE STATUS

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**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
* Liver	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Salivary Glands	Parotid Gl	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	11	<b>TMT:</b>	2	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-11

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Liver

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**OBSERVATIONS**

Kidney

Renal Tubule

Accumulation, Hyaline Droplet

Moderate

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Mild

Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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ANIMAL NUM: 12     TMT: 2  
DOSE: 10 PPM

SEX: Male  
DISP: Terminal Sacrifice

DAY ON TEST: 92  
HISTO: MB491M-12

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ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

Bone Marrow

Liver

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OBSERVATIONS

Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	13	<b>TMT:</b>	2	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-13

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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Liver

**OBSERVATIONS**

Kidney

Renal Tubule

Accumulation, Hyaline Droplet

Minimal

Spleen

Pigmentation

Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	14	<b>TMT:</b>	2	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-14

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Liver

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**OBSERVATIONS**

Kidney

Renal Tubule

Accumulation, Hyaline Droplet  
Nephropathy

Minimal  
Minimal

Spleen

Pigmentation

Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM: 15	TMT: 2	SEX: Male	DAY ON TEST: 92
DOSE: 10 PPM		DISP: Terminal Sacrifice	HISTO: MB491M-15

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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**

Bone Marrow    Liver

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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal















TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	22	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-22

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Liver

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
Spleen		Congestion Hematopoietic Cell Proliferation Pigmentation	Minimal Mild Mild





TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 24	<b>TMT:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 30 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-24

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Liver

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Mild Minimal
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild

**TDMS No.** 99002 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
o-Chloropyridine  
**CAS Number:** 109-09-1

**Date Report Requested:** 01/15/2009  
**Time Report Requested:** 08:39:57  
**First Dose M/F:** 07/28/03 / 07/29/03  
**Lab:** MBA

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<b>ANIMAL NUM:</b> 25	<b>TMT:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 30 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-25

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow    Liver

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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
Spleen		Hematopoietic Cell Proliferation Pigmentation	Minimal Minimal

TDMS No. 99002 - 03  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 o-Chloropyridine  
 CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
 Time Report Requested: 08:39:57  
 First Dose M/F: 07/28/03 / 07/29/03  
 Lab: MBA

---

<b>ANIMAL NUM:</b>	26	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-26

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Liver
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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	27	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-27

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Liver

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**OBSERVATIONS**

Kidney

Renal Tubule

Accumulation, Hyaline Droplet

Moderate

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild  
Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	28	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-28

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Liver
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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	29	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-29

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Liver
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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
Spleen		Pigmentation	Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	30	<b>TMT:</b>	3	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-30

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Liver

---

**OBSERVATIONS**

Kidney

Renal Tubule

Accumulation, Hyaline Droplet  
Nephropathy

Mild  
Minimal

Spleen

Pigmentation

Minimal

**TDMS No.** 99002 - 03  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 o-Chloropyridine  
**CAS Number:** 109-09-1

**Date Report Requested:** 01/15/2009  
**Time Report Requested:** 08:39:57  
**First Dose M/F:** 07/28/03 / 07/29/03  
**Lab:** MBA

<b>ANIMAL NUM:</b>	31	<b>TMT:</b>	4	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-31

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow	Liver
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**OBSERVATIONS**

Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Minimal Minimal
Spleen		Pigmentation	Minimal







TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	34	<b>TMT:</b>	4	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-34

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Liver

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Minimal Minimal
Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Minimal

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	35	<b>TMT:</b>	4	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-35

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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Kidney

Liver

**OBSERVATIONS**

Spleen

Pigmentation

Minimal



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	37	<b>TMT:</b>	4	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-37

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

OBSERVATIONS

Kidney

Renal Tubule

Accumulation, Hyaline Droplet  
Nephropathy

Mild  
Minimal

Spleen

Pigmentation

Minimal









TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 41	<b>TMT:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 300 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB-491M-41

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	42	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-42

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Minimal
		Nephropathy	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	43	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-43

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	45	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-45

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	46	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-46

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ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Kidney	Liver
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**OBSERVATIONS**

Bone Marrow	Hyperplasia	Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	47	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491-47

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Minimal
Liver		Hepatodiaphragmatic Nodule	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	48	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-48

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	49	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-49

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Liver

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**OBSERVATIONS**

Bone Marrow	Hyperplasia	Minimal
Kidney	Nephropathy	Minimal
Spleen	Congestion	Minimal
	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	50	<b>TMT:</b>	5	<b>SEX:</b>	Male	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-50

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Kidney

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**OBSERVATIONS**

Bone Marrow		Hyperplasia	Minimal
Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	51	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-51

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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Salivary Glands	Parotid Gl	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland		Ectopic Thymus	

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	52	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-52

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

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

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**MISSING**

* Lymph Node, Mandibular	* Pituitary Gland
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**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	53	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-53

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

* Adrenal Medulla	* 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	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Adrenal Cortex	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
 Test Type: 90-DAY  
 Route: DOSED WATER  
 Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
 o-Chloropyridine  
 CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
 Time Report Requested: 08:39:57  
 First Dose M/F: 07/28/03 / 07/29/03  
 Lab: MBA

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<b>ANIMAL NUM:</b> 54	<b>TMT:</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> MB491M-54

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

- |                             |                          |                            |                           |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla           | * 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      |
| * Lung                      | * Lymph Node, Mandibular | * Mammary Gland            | * Nose                    |
| * Pancreas                  | * Preputial Gland        | * Prostate                 | * Seminal Vesicle         |
| * Skin                      | * Stomach, Forestomach   | * Stomach, Glandular       | * Testes                  |
| * Thymus                    | * Thyroid Gland          | * Trachea                  | * Urinary Bladder         |

**MISSING**

- \* Parathyroid Gland

**INSUFFICIENT TISSUE**

- \* Pituitary Gland

**OBSERVATIONS**

- |                          |              |                                  |         |
|--------------------------|--------------|----------------------------------|---------|
| * Adrenal Cortex         | Zona Fascult | Vacuolization Cytoplasmic        | Minimal |
| * Bone Marrow            |              | Hyperplasia                      | Mild    |
| * Kidney                 |              | Nephropathy                      | Minimal |
| * Liver                  |              | Clear Cell Focus                 |         |
|                          | Hepatocyte   | Vacuolization Cytoplasmic        | Mild    |
| * Lymph Node, Mesenteric | Sinus        | Histiocytosis                    | Minimal |
| * Salivary Glands        | Parotid GI   | Basophilic Focus                 |         |
| * Spleen                 |              | Congestion                       | Minimal |
|                          |              | Hematopoietic Cell Proliferation | Mild    |
|                          |              | Pigmentation                     | Mild    |

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	55	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-55

---

ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

* Adrenal Medulla	* 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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
	Zona Reticul	Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Liver		Clear Cell Focus	
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	56	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-56

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* 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	* Kidney	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	57	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-57

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ORGAN AND ACCOUNTABLE SITE STATUS

---

NORMAL

* Adrenal Medulla	* 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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

---

MISSING

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

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	58	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-58

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

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

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	59	TMT:	6	SEX:	Male	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-59

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

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

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung	Alveolus	Hemorrhage	Focal, Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 60	<b>TMT:</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> MB491M-60

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Medulla	* 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
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

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**MISSING**

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

* Adrenal Cortex	Zona Fascult	Vacuolization Cytoplasmic	Minimal
* Bone Marrow		Hyperplasia	Mild
* Liver		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b> 61	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-61

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**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	* Liver
* Lung	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Pancreas	Duct	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland		Cyst	

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b> 62	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-62

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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, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Kidney	Nephropathy	Minimal
* Lung	Infiltration Cellular	Mononuclear CI, Focal, Minimal
* Spleen	Hematopoietic Cell Proliferation Pigmentation	Mild Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 63	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-63

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**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, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

---

**MISSING**

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

* Kidney	Nephropathy	Minimal
* Lung	Infiltration Cellular	Mononuclear CI, Focal, Minimal
Note: peribronchiolar		
* Spleen	Congestion	Mild
	Pigmentation	Mild
* Thymus	Atrophy	Minimal
Note: increased tingible bodies	Thymocyte	



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 64	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-64

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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	* Liver
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Lung	Alveolus	Hemorrhage Infiltration Cellular	Focal, Minimal Mononuclear CI, Focal, Minimal
Note: peribronchiolar			
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 65	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-65

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	* Liver
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	66	TMT:	7	SEX:	Female	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-66

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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	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

---

**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Spleen	Pigmentation	Mild
* Thyroid Gland	Ectopic Thymus	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 67	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-67

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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	* Liver	* Lung
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

---

**MISSING**

\* Lymph Node, Mandibular

---

**INSUFFICIENT TISSUE**

\* Pituitary Gland

---

**OBSERVATIONS**

* Eye			
Note: no optic nerves in sections			
* Heart		Cardiomyopathy	Minimal
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Salivary Glands	Parotid Gl	Basophilic Focus	
* Spleen		Pigmentation	Mild
* Thyroid Gland		Cyst	

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 68	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-68

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**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	* Liver
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

---

**MISSING**

\* Lymph Node, Mandibular

---

**INSUFFICIENT TISSUE**

\* Mammary Gland

---

**OBSERVATIONS**

* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Spleen		Pigmentation	Mild
* Uterus		Dilatation	Mild

---

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 69	<b>TMT:</b> 7	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> VEHICLE CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-69

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**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	* Liver
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Salivary Glands	Parotid G1	Basophilic Focus	
* Spleen		Pigmentation	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	70	TMT:	7	SEX:	Female	DAY ON TEST:	92
		DOSE:	VEHICLE CONTROL	DISP:	Terminal Sacrifice	HISTO:	MB491M-70

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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	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

---

**MISSING**

* Lymph Node, Mandibular	* Urinary Bladder
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**OBSERVATIONS**

* Lung	Infiltration Cellular	Mononuclear CI, Focal, Minimal
* Spleen	Pigmentation	Mild
* Uterus	Hydrometra	Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	71	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-71

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Minimal  
Mild



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

---

<b>ANIMAL NUM:</b>	72	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-72

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	73	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-73

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Pigmentation

Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	74	TMT:	8	SEX:	Female	DAY ON TEST:	92
		DOSE:	10 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-74

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Pigmentation

Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	75	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-75

---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	76	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-76

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	77	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-77

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	78	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-78

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	79	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-79

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild  
Mild



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	80	<b>TMT:</b>	8	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	10 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-80

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	81	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-81

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	82	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-82

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	84	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-84

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	85	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-85

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	86	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-86

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

OBSERVATIONS

Kidney

Nephropathy

Minimal

Spleen

Congestion  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b> 87	<b>TMT:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 30 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-87

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	88	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-88

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	89	<b>TMT:</b>	9	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	30 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-89

---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 90	<b>TMT:</b> 9	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 30 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-90

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	91	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-91

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	92	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-92

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow

Liver

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	93	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-93

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Congestion  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	94	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-94

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

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**OBSERVATIONS**

Spleen

Pigmentation

Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	95	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-95

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Minimal  
Mild



TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	96	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-96

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	97	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-97

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Mild  
Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b> 98	<b>TMT:</b> 10	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 100 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-98

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

---

<b>ANIMAL NUM:</b>	99	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-99

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

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**OBSERVATIONS**

Spleen

Pigmentation

Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	100	<b>TMT:</b>	10	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	100 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-100

---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Pigmentation

Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	101	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-101

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ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Kidney	Liver
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**OBSERVATIONS**

Bone Marrow	Hyperplasia	Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	102	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-102

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	103	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Pigmentation

Minimal  
Mild





TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	105	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-105

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ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Bone Marrow

Liver

**OBSERVATIONS**

Kidney

Nephropathy

Minimal

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Mild  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	106	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-106

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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Kidney

Liver

OBSERVATIONS

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild  
Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b>	107	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-107

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

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**OBSERVATIONS**

Spleen

Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b>	108	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-108

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Kidney

Liver

---

**OBSERVATIONS**

Spleen

Congestion  
Hematopoietic Cell Proliferation  
Pigmentation

Minimal  
Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

<b>ANIMAL NUM:</b>	109	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

OBSERVATIONS

Kidney

Nephropathy

Minimal

Spleen

Congestion  
Pigmentation

Minimal  
Mild

TDMS No. 99002 - 03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine

CAS Number: 109-09-1

Date Report Requested: 01/15/2009

Time Report Requested: 08:39:57

First Dose M/F: 07/28/03 / 07/29/03

Lab: MBA

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<b>ANIMAL NUM:</b>	110	<b>TMT:</b>	11	<b>SEX:</b>	Female	<b>DAY ON TEST:</b>	92
		<b>DOSE:</b>	300 PPM	<b>DISP:</b>	Terminal Sacrifice	<b>HISTO:</b>	MB491M-110

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ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Kidney	Liver
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**OBSERVATIONS**

Bone Marrow	Hyperplasia	Minimal
Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	111	TMT:	12	SEX:	Female	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-111

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

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**MISSING**

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

* Bone Marrow		Hyperplasia	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Infiltration Cellular	Mononuclear CI, Focal, Minimal
Note: peribronchiolar			
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Hydrometra	Mild



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 112	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-112

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

\* Lymph Node, Mandibular

---

**INSUFFICIENT TISSUE**

\* Parathyroid Gland

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Mild
* Lung		Infiltration Cellular	Mononuclear CI, Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Dilatation	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 113	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-113

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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	* Lung	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland		Cyst	

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	114	TMT:	12	SEX:	Female	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-114

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ORGAN AND ACCOUNTABLE SITE STATUS

---

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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	* Lung	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Dilatation	Moderate

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	115	TMT:	12	SEX:	Female	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-115

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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Eye	Sclera	Inflammation	Minimal
	Cornea	Inflammation	Minimal
* Heart	Epicardium	Inflammation	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Uterus		Dilatation	Moderate

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

---

<b>ANIMAL NUM:</b> 116	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-116

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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	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

---

**MISSING**

\* Lymph Node, Mandibular

---

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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ANIMAL NUM:	117	TMT:	12	SEX:	Female	DAY ON TEST:	92
		DOSE:	1000 PPM	DISP:	Terminal Sacrifice	HISTO:	MB491M-117

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ORGAN AND ACCOUNTABLE SITE STATUS

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NORMAL

* Adrenal Medulla	* Blood Vessel	* Bone	* 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, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

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MISSING

\* Lymph Node, Mandibular

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OBSERVATIONS

* Adrenal Cortex		Infiltration Cellular	Mononuclear CI, Focal, Minimal
* Bone Marrow		Hyperplasia	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lung		Infiltration Cellular	Mononuclear CI, Focal, Minimal
* Spleen		Congestion	Minimal
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 118	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-118

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Uterus		Hydrometra	Minimal

TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 119	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-119

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* 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
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Eye	Sclera	Inflammation	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate



TDMS No. 99002 - 03  
Test Type: 90-DAY  
Route: DOSED WATER  
Species/Strain: RATS/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

o-Chloropyridine  
CAS Number: 109-09-1

Date Report Requested: 01/15/2009  
Time Report Requested: 08:39:57  
First Dose M/F: 07/28/03 / 07/29/03  
Lab: MBA

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<b>ANIMAL NUM:</b> 120	<b>TMT:</b> 12	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 92
	<b>DOSE:</b> 1000 PPM	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> MB491M-120

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Blood Vessel	* Bone
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

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**MISSING**

\* Lymph Node, Mandibular

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**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Infiltration Cellular	Mononuclear CI, Focal, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Lymph Node, Mesenteric	Sinus	Histiocytosis	Minimal
* Spleen		Congestion	Mild
		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

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