

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

F_P14_M3

C Number: C20009
Lock Date: 05/05/2008
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 2.3.0
PWG Approval Date: NONE

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 Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatoblastoma TGLs = 1,2-10+11]		
	[Hepatocellular Adenoma TGLs = 4-13]		
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

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Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 543

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Islets, Pancreatic
* Kidney
* Liver

Adenoma
Nephropathy Minimal
Hepatoblastoma Multiple
Hepatocellular Adenoma Multiple
Hepatocellular Carcinoma

Note: NO CORRELATING LESION FOR TGL 8-14.

[Hepatoblastoma TGLs = 4,5,6-12+13]

[Hepatocellular Adenoma TGLs = 3,7-11]

[Hepatocellular Carcinoma TGLs = 1,2-10]

* Stomach, Forestomach
Tooth

Ulcer Moderate
Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatoblastoma

TDMS No. 20009 - 04
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 Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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 | * Lymph Node, Mesenteric |
| * Pancreas | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Basophilic Focus TGLs = 3-11] | | |
| | [Hepatocellular Adenoma TGLs = 2-10] | | |
| * Nose | Olfactory Epi | Atrophy | Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604054

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart	Thrombosis	Mild
* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Carcinoma	Multiple
	Necrosis	Mild
[Hepatocellular Carcinoma TGLs = 2,3-11+12]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	Inflammation	Chronic Active, Marked
[Inflammation TGLs = 1-10]		
* Testes	Atrophy	Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
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Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 508

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3-12]	
	[Hepatocellular Carcinoma TGLs = 2-11]	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 1-10]	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
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Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 562

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

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

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Harderian Gland	Adenoma	
[Adenoma TGLs = 1-9]		
* Kidney	Nephropathy	Moderate
* Liver	Basophilic Focus	
[Hepatocellular Carcinoma TGLs = 2,3-10+11]	Hepatocellular Carcinoma	Multiple
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 5,6,7,8,9-12+13+14]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 9-9]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Clear Cell Focus TGLs = 3,7,5,6-12+14+15]			
[Eosinophilic Focus TGLs = 4-13]			
[Hepatocellular Adenoma TGLs = 1-10]			
[Hepatocellular Carcinoma TGLs = 2-11]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Carcinoma	Metastatic (Harderian Gland)
[Alveolar/Bronchiolar Carcinoma TGLs = 8-3]			
* Nose	Respirat Epith	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

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beta-Picoline
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604057

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20009 - 04
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 Species/Strain: MICE/B6C3F1

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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 4,7-13+16]		
	[Hepatocellular Carcinoma TGLs = 5-14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-15]		
* Skin		Inflammation	Chronic Active, Marked
	[Inflammation TGLs = 1,2,3-10+11+12]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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CAS Number: 108-99-6

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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Seminal Vesicle	* Thymus	* Urinary Bladder

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 4-9]			
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1,2-10+11]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma TGLs = 5,6-12+3]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Intestine Small, Jejunum [Diverticulum TGLs = 6-14]	Diverticulum	
* Kidney	Nephropathy	Moderate
* Liver [Hepatocellular Adenoma TGLs = 3-11] [Hepatocholangiocarcinoma TGLs = 2-10]	Clear Cell Focus Hepatocellular Adenoma Hepatocholangiocarcinoma	
* Lung	Alveolar/Bronchiolar Adenoma	
* Pituitary Gland [Thrombosis TGLs = 5-13]	Thrombosis	Marked
* Skin [Fibrous Histiocytoma TGLs = 4-12]	Subcut Tiss Fibrous Histiocytoma	
Tooth	Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
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Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Moderate
* Liver	Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung	Alveolar/Bronchiolar Carcinoma	
[Alveolar/Bronchiolar Carcinoma TGLs = 3-12]	Hepatocellular Carcinoma	Metastatic (Liver)
Tooth	Dysplasia	

TDMS No. 20009 - 04
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 5-13]		
	[Hemangiosarcoma TGLs = 1-10]		
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Moderate
	[Hyperplasia TGLs = 4-13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604062

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLs = 4-13]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 519

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Colon	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder	

OBSERVATIONS

* Kidney	Renal Tubule	Pigmentation	Marked
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Hepatoblastoma	Metastatic (Liver)
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Glandular		

OBSERVATIONS

* Kidney	Hydronephrosis	Moderate
	Nephropathy	Mild
[Hydronephrosis TGLs = 1,3-4]		
* Liver	Eosinophilic Focus	
	Mixed Cell Focus	
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Hydronephrosis

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Metaplasia	Osseous, Minimal
	Nephropathy	Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 2-11]	
	[Hepatocellular Adenoma TGLs = 1,2-10+11]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-12]	
* Nose	Inflammation	Suppurative, Minimal
Tooth	Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	[Hemangiosarcoma TGLs = 1-10]		
	[Hepatocellular Adenoma TGLs = 2,3-11+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Thyroid Gland	Follicular Cel	Adenoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 619

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular
* Thymus	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow	Hemangiosarcoma	
* Kidney	Nephropathy	Mild
* Liver	Hemangiosarcoma	
	Hepatocellular Carcinoma	
	Necrosis	Moderate
	[Hemangiosarcoma TGLs = 1,2,3-10+3+11+12]	
	[Hepatocellular Carcinoma TGLs = 2-3+11]	
	[Necrosis TGLs = 4-12+13]	
* Lung	Hemangiosarcoma	
	Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Hemangiosarcoma	
* Spleen	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 5-4]	

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 543

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
Coagulating Gland	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular			

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Basophilic Focus TGLs = 4-12]		
	[Clear Cell Focus TGLs = 4-5+12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-10]		
* Urinary Bladder		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 646

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Seminal Vesicle	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3,4-12+13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Minimal
	[Hyperplasia TGLs = 5-5]		
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 1-11]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* 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	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Intestine Small, Jejunum		Carcinoma	
[Carcinoma TGLs = 7-14]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 8-15]			
[Hepatocellular Adenoma TGLs = 1,2,3,8-10+11+12+15]			
Lymph Node	Renal	Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLs = 5-13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-10]			
* Spleen		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 4-4]			
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 2,3,4-11+12+13]		
* Skin	Subcut Tiss	Hemangiosarcoma	
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,2,3-10+11+12]		
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatoblastoma	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 1-10]	
	[Hepatocellular Adenoma TGLs = 3,4,5-12+13+14]	
	[Hepatocellular Carcinoma TGLs = 2-11]	
* Lung	Hepatoblastoma	Metastatic (Liver)
	Inflammation	Granulomatous, Moderate
* Preputial Gland	Inflammation	Chronic Active, Moderate
Tooth	Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Moderate
* Liver	Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 3-11] [Hepatocellular Carcinoma TGLs = 2-10]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
* Preputial Gland	Inflammation	Chronic Active, Mild
[Inflammation TGLs = 1-8]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland	Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
[Rhabdomyosarcoma TGLs = 2-9]		
* Kidney	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	Necrosis	Moderate
[Eosinophilic Focus TGLs = 7-12]		
[Hepatocellular Adenoma TGLs = 5-11]		
[Hepatocellular Carcinoma TGLs = 4-10]		
[Necrosis TGLs = 6-11]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
	Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
[Hepatocellular Carcinoma TGLs = 8-13]		
[Rhabdomyosarcoma TGLs = 8-13]		
* Lymph Node, Mandibular	Rhabdomyosarcoma	Metastatic (Skeletal Muscle)
[Rhabdomyosarcoma TGLs = 3-10]		
* Nose	Respirat Epith	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604075

ORGAN AND ACCOUNTABLE SITE STATUS

Skeletal Muscle	Olfactory Epi	Metaplasia	Respiratory, Minimal
[Rhabdomyosarcoma	TGLs = 1-9]	Rhabdomyosarcoma	
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 567

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Testes	* Thyroid Gland	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle	* Spleen	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatoblastoma TGLs = 4-12]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
	[Mixed Cell Focus TGLs = 1,2-10+11]		
* Nose	Respirat Epith	Hyperplasia	Moderate
* Stomach, Forestomach		Ulcer	Moderate
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 596

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Small, Jejunum
-------	---------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Epididymis		Hepatocholangiocarcinoma	Metastatic (Liver)
* Heart		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 3-3]		
* Kidney		Nephropathy	Mild
* Liver		Hepatocholangiocarcinoma	
	[Hepatocholangiocarcinoma TGLs = 2-11]		
* Lung		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 4-12]		
Lymph Node	Mediastinal	Hepatocholangiocarcinoma	Metastatic (Liver)
Mesentery		Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 1-10]		
* Pancreas		Hepatocholangiocarcinoma	Metastatic (Liver)
* Seminal Vesicle		Hepatocholangiocarcinoma	Metastatic (Liver)
* Thymus		Hepatocholangiocarcinoma	Metastatic (Liver)

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 441

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|---------------|--------------------------|-----------------------------|----------------------------|
| * Gallbladder | * Intestine Large, Cecum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Spleen | | | |

OBSERVATIONS

- | | | | |
|------------|------------------------------|------------------|-----------------------|
| * Heart | | Inflammation | Suppurative, Minimal |
| | | Mineralization | Minimal |
| * Kidney | | Inflammation | Suppurative, Moderate |
| | | Mineralization | Mild |
| | Papilla | Necrosis | Marked |
| | | Thrombosis | Moderate |
| | [Necrosis TGLs = 1-4] | | |
| * Liver | | Basophilic Focus | |
| | | Necrosis | Mild |
| | [Necrosis TGLs = 2-10] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Suppurative, Mild |
| Tooth | | Dysplasia | |
| Urethra | | Inflammation | Suppurative, Moderate |
| | [Inflammation TGLs = 3-11] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 441

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604078

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Kidney Papilla Necrosis

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Mineralization	Moderate
	Nephropathy	Moderate
* Liver	Basophilic Focus	
	Hepatocellular Carcinoma	
	[Basophilic Focus TGLs = 1-10]	
	[Hepatocellular Carcinoma TGLs = 2-11]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-12]	
* Stomach, Forestomach	Ulcer	Minimal
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 402

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Pancreas
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney	Mineralization	Minimal
* Liver	Hemangiosarcoma	
	Necrosis	Marked
[Hemangiosarcoma TGLs = 1-10]		
[Necrosis TGLs = 2-11]		
* Nose	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum * Intestine Small, Ileum

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4,5,6-10+11+3]		
	[Mixed Cell Focus TGLs = 7-12]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 2-10]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Glial Cell	Pigmentation	Minimal
* Eye	Retina	Hemorrhage	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver	[Hepatocellular Adenoma TGLs = 1-10]	Hepatocellular Adenoma	
* Lung	[Alveolar/Bronchiolar Adenoma TGLs = 2-11]	Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Atrophy	Minimal
* Pancreas		Atrophy	Minimal
* Prostate		Inflammation	Suppurative, Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 613

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thyroid Gland

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Pituitary Gland	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]		
* Lung	Bronchiole	Hyperplasia	Minimal
* Nose	Respirat Epith	Hyperplasia	Moderate
Tooth		Dysplasia	
* Urinary Bladder		Hemorrhage	Moderate
	[Hemorrhage TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney	Nephropathy	Moderate
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma	TGLs = 2,4,6-11+13+15]	
[Hepatocellular Carcinoma	TGLs = 1-3+10]	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,2,3,4,5-10+11+12+3+13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3-11+12]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Mild
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,4-10+11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-3]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

- | | | | |
|--------------------------|---|------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma | TGLs = 1,2,3,4,5,6-10+11+12+13+14REE+15] | | |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| Tooth | | Dysplasia | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 648

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Kidney	Papilla	Necrosis Nephropathy	Marked Minimal
	[Necrosis TGLs = 2-4]		
* Liver		Basophilic Focus Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
	[Eosinophilic Focus TGLs = 7-15]		
	[Hepatoblastoma TGLs = 3,4-11+12]		
	[Hepatocellular Adenoma TGLs = 6,8-14+13]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	Mild
	[Cyst Epithelial Inclusion TGLs = 1-10]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 455

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------|--|--------------------------------|-------------------------------------|
| * Heart | | Sarcoma | Metastatic (Uncertain Primary Site) |
| * Intestine Small, Jejunum | | Carcinoma | |
| | [Carcinoma TGLs = 4-12] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Carcinoma TGLs = 1,2-10+11] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolar Epith | Hyperplasia | Mild |
| | | Sarcoma | Metastatic (Uncertain Primary Site) |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 5-13] | | |
| * Preputial Gland | | Inflammation | Chronic Active, Moderate |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 460

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Inflammation	Suppurative, Marked
		Thrombosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Lung		Hemorrhage	Mild
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Heart Inflammation

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric

OBSERVATIONS

* Harderian Gland	Adenoma	
* Heart	Cardiomyopathy	Minimal
* Kidney	Inflammation	Suppurative, Moderate
[Inflammation TGLs = 1-4]		
* Liver	Hematopoietic Cell Proliferation	Mild
* Prostate	Inflammation	Suppurative, Marked
* Seminal Vesicle	Inflammation	Suppurative, Marked
[Inflammation TGLs = 2-7]		
* Spleen	Hematopoietic Cell Proliferation	Marked
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5,6-10+11+12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Skin	Subcut Tiss	Hemangioma	
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Harderian Gland	Adenoma	
* Kidney	Nephropathy	Moderate
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1,4,2-10+11]		
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
Tooth	Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
* Heart		Hemangiosarcoma	
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	
	[Hemangiosarcoma TGLs = 2,3,4,5-3+10+11+12+13]		
	[Hepatocellular Carcinoma TGLs = 2-3+10]		
* Lung		Hemangiosarcoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Adrenal Cortex		Hyperplasia	Mild
Coagulating Gland		Inflammation	Suppurative, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-11]		
* Prostate		Inflammation	Suppurative, Mild
* Stomach, Glandular		Ulcer	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Tooth Dysplasia

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 524

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Heart		Mesothelioma Benign	
* Kidney		Cyst	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 4-3+11]		
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11]		
	[Mixed Cell Focus TGLs = 4-3+11]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye		Degeneration	Marked
* Harderian Gland		Carcinoma	
		Hyperplasia	Moderate
	[Carcinoma TGLs = 1-9]		
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Eosinophilic Focus TGLs = 3-10]		
	[Hepatocellular Adenoma TGLs = 2-10]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	[Hepatocellular Adenoma TGLs = 1,2-10+11]	Hepatocellular Adenoma	Multiple
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 4-12]	
	[Hepatocellular Adenoma TGLs = 2,3-10+11]	
* Lung	Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-13]	
Tooth	Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 642

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|----------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Colon | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|-------------------|---|------------------------------|----------------------|
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Gallbladder | | Degeneration | Hyaline, Moderate |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | | Ito Cell Tumor Malignant | |
| | [Hepatocellular Adenoma TGLs = 4,5-13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1,3-10+12] | | |
| | [Ito Cell Tumor Malignant TGLs = 2,4-11+13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Minimal |

PRIMARY CAUSE OF DEATH - Liver Ito Cell Tumor Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Clear Cell Focus TGLs = 5,6-14+15]		
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-11+12+13+14+15]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 715

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|-------------------|-------------------|---------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Skin | * Spleen | * Testes |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Eye | * Gallbladder | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|----------|--|------------------------------|------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 6,7-15+16] | | |
| | [Hepatocellular Carcinoma TGLs = 4,5,8-13+14+17] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Alveolar/Bronchiolar Adenoma TGLs = 10-18] | | |
| | [Hepatocellular Carcinoma TGLs = 9-18] | | |
| * Nose | Olfactory Epi | Atrophy | Minimal |
| * Skin | | Inflammation | Chronic Active, Marked |
| | [Inflammation TGLs = 1,2,3-10+11+12] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Heart		Hepatocellular Carcinoma	Metastatic (Liver)
[Hepatocellular Carcinoma	TGLs = 4-13]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma	TGLs = 6,7-15+16]		
[Hepatocellular Carcinoma	TGLs = 1,2,3,5-10+11+12+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 1,3,5-10+13+12+14]		
	[Hepatocellular Adenoma TGLs = 2,4-11+13]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 2,3,4-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Eosinophilic Focus	
	Hepatoblastoma	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 2-11]	
	[Hepatocellular Adenoma TGLs = 3-12]	
	[Hepatocellular Carcinoma TGLs = 1-10]	
* Lung	Alveolar/Bronchiolar Carcinoma	
	Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-13]	
* Stomach, Forestomach	Hyperplasia	Squamous, Moderate
	Ulcer	Mild
	[Hyperplasia TGLs = 5-14]	
Tooth	Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 583

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 6-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Carcinoma	
[Hemangiosarcoma TGLs = 4-11]			
[Hepatocellular Carcinoma TGLs = 5-12]			
* Lung		Hemangiosarcoma	Metastatic (Liver)
[Hemangiosarcoma TGLs = 1,2,3,7-10+11+12+13]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Thymus		Hemangiosarcoma	Metastatic (Liver)
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Carcinoma	
	[Carcinoma TGLs = 1-9]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatoblastoma	
	[Clear Cell Focus TGLs = 2-10]		
	[Hepatoblastoma TGLs = 3-11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Heart		Thrombosis	Mild
* Kidney		Nephropathy	Minimal
* Liver		Necrosis	Moderate
* Lung		Alveolar/Bronchiolar Adenoma	
* Thyroid Gland	Follicular Cel	Carcinoma	
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Thyroid Gland Follicular Cel Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|----------------|--|--------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | [Hepatoblastoma TGLs = 5-13] | |
| | | [Hepatocellular Adenoma TGLs = 2,3,4-10+11+12] | |
| | | [Hepatocellular Carcinoma TGLs = 1-10] | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
	[Thrombosis TGLs = 4-3]		
* Kidney	Artery	Inflammation	Chronic Active, Moderate
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3-11]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 2-11]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 580

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | |
|----------------------|--|--------------------|
| * Kidney | Nephropathy | Minimal |
| * Liver | Hepatocellular Adenoma | Multiple |
| | Hepatocellular Carcinoma | |
| | Necrosis | Moderate |
| | [Hepatocellular Adenoma TGLs = 2,3-10+11] | |
| | [Hepatocellular Carcinoma TGLs = 4-12] | |
| | [Necrosis TGLs = 5,6-13] | |
| * Lung | Alveolar/Bronchiolar Carcinoma | |
| | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 1-10] | |
| * Stomach, Glandular | Ulcer | Mild |
| Tooth | Dysplasia | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Intestine Small, Jejunum	Peyers Patch	Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLs = 4-10]		
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 3,6,7-12+11+13]		
	[Hepatocellular Adenoma TGLs = 2,5-11+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-14]		
* Nose	Respirat Epith	Hyperplasia	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|------------------------|----------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Basophilic Focus TGLs = 5-13] | | |
| | [Eosinophilic Focus TGLs = 4-12] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,6-10+11+14] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| Tooth | | Dysplasia | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|--------------------------|----------------------|---------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Heart | * Islets, Pancreatic | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Stomach, Forestomach | * Testes | * Thyroid Gland |
| * Trachea | | | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mesenteric |
| * Spleen | * Stomach, Glandular | * Thymus | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|---------|---|------------------------|----------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Eosinophilic Focus TGLs = 4-13] | | |
| | [Hepatocellular Adenoma TGLs = 2,3-11+12] | | |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Skin | Subcut Tiss | Sarcoma | |
| | [Sarcoma TGLs = 1-10] | | |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Mammary Gland
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 5-13]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 605

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
-----------------	----------

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1,5-10+14]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 545

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

AUTO PRECLUDES DIAG.

- | | |
|---------------|--------------------------|
| * Gallbladder | * Intestine Large, Cecum |
|---------------|--------------------------|

OBSERVATIONS

- | | | | |
|----------|---|------------------------|----------------------|
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Eosinophilic Focus TGLs = 1-10] | | |
| | [Hepatocellular Adenoma TGLs = 2,3-11+12] | | |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Testes | | Atrophy | Mild |
| | Interstit Cell | Hyperplasia | Mild |
| Tooth | | Dysplasia | |
| Urethra | | Inflammation | Suppurative, Mild |
| | [Inflammation TGLs = 4-13.] | | |

PRIMARY CAUSE OF DEATH - Urethra Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 470

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|----------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Gallbladder |
| * Harderian Gland | * Heart | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|------------|--|------------------------|-----------------------|
| * Kidney | | Hydronephrosis | Minimal |
| | | Nephropathy | Minimal |
| | [Hydronephrosis TGLs = 3-4] | | |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 2-10] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Prostate | | Hyperplasia | Mild |
| Tooth | | Dysplasia | |
| Urethra | | Inflammation | Suppurative, Moderate |
| | [Inflammation TGLs = 1-10] | | |

PRIMARY CAUSE OF DEATH - Urethra Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
		[Clear Cell Focus TGLs = 3-12]	
		[Hepatocellular Adenoma TGLs = 3-12]	
		[Hepatocellular Carcinoma TGLs = 1-10]	
		[Mixed Cell Focus TGLs = 2-11]	
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[Angiectasis TGLs = 4-12]		
	[Clear Cell Focus TGLs = 2-10]		
	[Hepatocellular Adenoma TGLs = 2,3-10+11]		
* Lung		Inflammation	Granulomatous, Moderate
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-7]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 407

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thymus	* Thyroid Gland		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Pituitary Gland	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 2-10]		
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 2-11]	
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]	
* Nose	Inflammation	Suppurative, Minimal
Tooth	Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 3-13]		
	[Hemangiosarcoma TGLs = 2,4-12+14]		
	[Hepatocellular Adenoma TGLs = 1,2,5-10+11+12+15]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-16]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|--|--------------------------|--------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocholangiocarcinoma | |
| | [Hepatocholangiocarcinoma TGLs = 1-10] | | |
| * Lung | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | [Hepatocholangiocarcinoma TGLs = 2,3,4,5,6-11+12+13] | | |
| * Stomach, Forestomach | | Hyperplasia | Squamous, Moderate |
| | [Hyperplasia TGLs = 7-14] | | |
| * Thymus | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Angiectasis	Moderate
	Basophilic Focus	
	Hepatocellular Adenoma	
[Angiectasis TGLs = 2-11]		
[Hepatocellular Adenoma TGLs = 3-12]		
* Stomach, Forestomach	Hemangioma	
[Hemangioma TGLs = 4-13]		
Tooth	Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 3,4,5-12+13+14]		
	[Hepatocellular Adenoma TGLs = 5,6,7-14+15+16]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 2-11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Hepatocellular Carcinoma	Metastatic (Liver)
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Minimal
	[Hepatocellular Adenoma TGLs = 7-16]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 4,5,6-13+14+15]		
* Nose	Respirat Epith	Hyperplasia	Minimal
Pleura		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Intestine Small, Duodenum	Peyers Patch	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-13]		
* Intestine Small, Jejunum		Adenoma	
		Carcinoma	
	[Adenoma TGLs = 5-14]		
	[Carcinoma TGLs = 5-14]		
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLs = 2-11]		
	[Hepatocellular Adenoma TGLs = 1-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 6-15]		
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-12]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Harderian Gland		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 2,3,4-11+12+13]		
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 1-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Stomach, Glandular		Mineralization	Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------|--------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Small, Ileum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|---------------|---------------------------|-----------------------------|----------------------------|
| * Gallbladder | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
|---------------|---------------------------|-----------------------------|----------------------------|

OBSERVATIONS

- | | | |
|--|--------------------------|--------------------|
| * Adrenal Cortex | Sarcoma | Metastatic (Liver) |
| * Brain | Sarcoma | Metastatic (Liver) |
| * Heart | Mineralization | Mild |
| * Intestine Large, Colon | Sarcoma | Metastatic (Liver) |
| [Sarcoma TGLs = 4-13] | Sarcoma | Metastatic (Liver) |
| * Kidney | Infarct | Mild |
| | Nephropathy | Moderate |
| | Sarcoma | Metastatic (Liver) |
| * Liver | Hepatocellular Adenoma | |
| | Hepatocellular Carcinoma | |
| | Hepatocholangiocarcinoma | |
| | Sarcoma | |
| [Hepatocellular Adenoma TGLs = 5-14] | | |
| [Hepatocellular Carcinoma TGLs = 2-11] | | |
| [Hepatocholangiocarcinoma TGLs = 3-12] | | |
| * Lung | Sarcoma | Metastatic (Liver) |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604133

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma TGLs = 1-10]

* Lymph Node, Mesenteric

Sarcoma

Metastatic (Liver)

* Nose

Respirat Epith

Hyperplasia

Minimal

* Pancreas

Sarcoma

Metastatic (Liver)

* Thymus

Sarcoma

Metastatic (Liver)

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,5-12+14]		
	[Hepatocellular Carcinoma TGLs = 1,2,4-10+11+13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
	[Hyperplasia TGLs = 6-15]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Harderian Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,3,5-10+12+14]		
	[Hepatocellular Carcinoma TGLs = 2,4-11+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 585

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Heart	Necrosis	Mild
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2,3,6-10+11+13]		
* Lung	Alveolar/Bronchiolar Carcinoma	Multiple
[Alveolar/Bronchiolar Carcinoma TGLs = 4-12]	Inflammation	Suppurative, Marked
* Nose	Inflammation	Suppurative, Minimal
* Spleen	Hemangiosarcoma	
[Hemangiosarcoma TGLs = 1-10]		
* Stomach, Forestomach	Ulcer	Moderate
[Ulcer TGLs = 5-5]		
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | | |
|-----------------|---------------------|----------|
| * Mammary Gland | * Parathyroid Gland | * Thymus |
|-----------------|---------------------|----------|

OBSERVATIONS

- | | | | |
|------------------|---------------|---|-------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hemangioma | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Eosinophilic Focus TGLs = 3,5-12+14] | |
| | | [Hemangioma TGLs = 2-11] | |
| | | [Hepatocellular Adenoma TGLs = 1,4-10+13] | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Olfactory Epi | Atrophy | Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|----------------------|--------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Glandular | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- | | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | |

OBSERVATIONS

- | | | | |
|------------------------|--|-------------------------|----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hemangiosarcoma TGLs = 2,3-11+12] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3-10+11+12] | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 4-13] | | |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Islets, Pancreatic	* Lymph Node, Mandibular
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

AUTO PRECLUDES DIAG.

* Adrenal Medulla	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Thymus

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Hydronephrosis	Moderate
	Nephropathy	Marked
* Liver	Hepatoblastoma	
	Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 1-11]	
	[Hepatocellular Carcinoma TGLs = 1-10]	
* Lung	Alveolar/Bronchiolar Adenoma	
	Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Inflammation	Suppurative, Minimal
* Testes	Atrophy	Marked

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,2,4,5-10+11+13+14]		
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Stomach, Glandular		Mineralization	Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 512

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Fatty Change	Moderate
	Hepatocellular Adenoma	
	Mixed Cell Focus	
* Lung	Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-11]	
Tooth	Dysplasia	
Urethra	Inflammation	Suppurative, Mild
	[Inflammation TGLs = 5-10]	
* Urinary Bladder	Hemorrhage	Mild
	[Hemorrhage TGLs = 1-4]	

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Carcinoma	Multiple
	Necrosis	Marked
* Lung	[Hepatocellular Carcinoma TGLs = 1,2-10+11] Alveolar Epith	Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6,8,7-11+12+13+14+15+16]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Testes | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|--|--------------------------|--------------------|
| * Adrenal Cortex | | Histiocytic Sarcoma | |
| * Heart | | Histiocytic Sarcoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Histiocytic Sarcoma | |
| | | Necrosis | Marked |
| | [Hepatocellular Adenoma TGLs = 4-13] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2-10+11] | | |
| | [Necrosis TGLs = 3-12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 5,6,7,8-14+15+16+17] | | |
| * Nose | Olfactory Epi | Atrophy | Minimal |
| | Respirat Epith | Hyperplasia | Minimal |
| * Pancreas | | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLs = 9-18] | | |
| * Stomach, Forestomach | | Histiocytic Sarcoma | |
| | | Hyperplasia | Squamous, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604144

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Moderate

[Ulcer TGLs = 10-18]

* Stomach, Glandular

Histiocytic Sarcoma

* Thymus

Histiocytic Sarcoma

[Histiocytic Sarcoma TGLs = 11-19]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Jejunum
-------	---------------	-----------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLs = 1-6]	Atrophy	Moderate
* Epididymis	Granuloma Sperm	Moderate
* Harderian Gland	Adenoma	
* Heart	Hemangiosarcoma	
* Kidney	Metaplasia	Osseous, Minimal
	Nephropathy	Mild
* Liver [Hemangiosarcoma TGLs = 2,3,4-10+11]	Hemangiosarcoma	
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Brain		Hemorrhage	Mild
* Eye		Degeneration	Marked
	[Degeneration TGLs = 1-9]		
* Harderian Gland		Carcinoma	
	[Carcinoma TGLs = 2-9]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[Hepatoblastoma TGLs = 4-11]		
	[Hepatocellular Adenoma TGLs = 5-12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Moderate
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-10]		
Lymph Node	Mediastinal	Hepatoblastoma	Metastatic (Liver)

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604146

ORGAN AND ACCOUNTABLE SITE STATUS

[Hepatoblastoma TGLs = 6-13]

* Lymph Node, Mandibular

Carcinoma

Metastatic (Harderian Gland)

* Preputial Gland

Inflammation

Chronic Active, Moderate

* Stomach, Glandular

Ulcer

Minimal

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-11]		
* Nose	Respirat Epith	Hyperplasia	Mild
* Seminal Vesicle		Inflammation	Chronic Active, Mild
* Thymus		Lymphoma Malignant	
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* 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

* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Hypertrophy	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
	[Hepatoblastoma TGLs = 2,5-10+12]		
	[Hepatocellular Adenoma TGLs = 3,4,6-11+12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 1-4]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Seminal Vesicle	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex	Lymphoma Malignant	
* Adrenal Medulla	Lymphoma Malignant	
* Heart	Cardiomyopathy	Mild
	Lymphoma Malignant	
* Kidney	Lymphoma Malignant	
	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	
	Lymphoma Malignant	
	Necrosis	Moderate
	[Lymphoma Malignant TGLs = 3,4-11+12]	
	[Necrosis TGLs = 5-13]	
* Lung	Lymphoma Malignant	
* Lymph Node, Mandibular	Lymphoma Malignant	
* Nose	Inflammation	Suppurative, Minimal
* Pituitary Gland	Lymphoma Malignant	
* Spleen	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1,2-4+10]	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604149

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Lymphoma Malignant

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|--|------------------------|--------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| * Harderian Gland | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Mild |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Angiectasis TGLs = 4-13] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3-10+11+12] | | |
| * Nose | Olfactory Epi | Atrophy | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 551

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
	[Clear Cell Focus TGLs = 6-15]		
	[Hepatocellular Adenoma TGLs = 2,3,4,5,7-11+12+13+14+15]		
	[Necrosis TGLs = 6-15]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 1-10]		
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|--------------------------|-------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | | |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|--|------------------------|----------------------|
| * Bone Marrow | | Angiectasis | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatoblastoma TGLs = 1-10] | | |
| | [Hepatocellular Adenoma TGLs = 2-11] | | |
| * Lung | Alveolar Epith | Hyperplasia | Marked |
| * Nose | Olfactory Epi | Atrophy | Mild |
| | | Inflammation | Suppurative, Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 548

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Stomach, Glandular
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OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Mixed Cell Focus TGLs = 2-4+5+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	
Urethra		Inflammation	Suppurative, Mild
	[Inflammation TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 694

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Spleen	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Heart		Mineralization	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Necrosis	Moderate
	[Hepatoblastoma TGLs = 2,3-11+12]		
	[Hepatocellular Adenoma TGLs = 1,4-10+13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 569

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum		

OBSERVATIONS

* Kidney	Hepatocholangiocarcinoma	Metastatic (Liver)
	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Hepatocholangiocarcinoma	
	[Hepatocellular Adenoma TGLs = 1,3-10+11]	
	[Hepatocellular Carcinoma TGLs = 2-11]	
	[Hepatocholangiocarcinoma TGLs = 4-12]	
* Lung	Hepatocholangiocarcinoma	Metastatic (Liver)
	[Hepatocholangiocarcinoma TGLs = 5,6-13+14]	
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocholangiocarcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* 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	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Basophilic Focus TGLs = 6-12]		
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Marked
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-10]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 2-11]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Gallbladder		Inflammation	Chronic Active, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 1,3-10+12]		
* Lung		Thrombosis	Mild
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Marked
		Ulcer	Moderate
	[Ulcer TGLs = 4-5+13]		
* Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------------|---|--------------------------|----------------------|
| * Adrenal Cortex | | Adenoma | |
| * Heart | | Thrombosis | Mild |
| | [Thrombosis TGLs = 5-3] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,7-10+11+12+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Stomach, Forestomach | | Hyperplasia | Squamous, Moderate |
| | | Ulcer | Moderate |
| | [Ulcer TGLs = 6-13] | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|---|--------------------------|----------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| * Eye | | Degeneration | Marked |
| | [Degeneration TGLs = 5-9] | | |
| * Harderian Gland | | Adenoma | |
| | [Carcinoma TGLs = 4-9] | Carcinoma | |
| * Kidney | Renal Tubule | Hyperplasia | Mild |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 8-15] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,6,7-11+12+13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604160

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Olfactory Epi

Metaplasia

Respiratory, Minimal

Dysplasia

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Inflammation	Chronic, Minimal
	[Hepatocellular Adenoma TGLs = 1-10]		
	[Inflammation TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Stomach, Forestomach		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 3-12]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Clear Cell Focus TGLs = 5,7-14+16]		
	[Hepatocellular Adenoma TGLs = 2,3,4,6-11+12+13+15]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLs = 1-10]		
* Testes		Mineralization	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------------|--|------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| * Intestine Small, Jejunum | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 7-15] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Clear Cell Focus TGLs = 2,3,4,5-11+12+13+14] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3-10+11+12] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 6-5] | | |
| * Nose | Olfactory Epi | Atrophy | Mild |
| | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604164

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thymus	* Thyroid Gland	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Prostate
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Mixed Cell Focus	
	[Basophilic Focus TGLs = 2-10]		
	[Eosinophilic Focus TGLs = 2-10]		
	[Mixed Cell Focus TGLs = 2-10]		
* Nose	Respirat Epi	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 556

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
---------------	--------------------------	-----------------------------	----------------------------

OBSERVATIONS

* Heart		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 10-17]		
* Kidney		Hepatocellular Carcinoma Nephropathy	Metastatic (Liver) Mild
	[Hepatocellular Carcinoma TGLs = 5,6,7-14+15]		
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple Multiple
	[Hepatocellular Adenoma TGLs = 3,4-12+13]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 9-16]		
* Nose	Respirat Epith Olfactory Epi	Hyperplasia Metaplasia	Minimal Respiratory, Mild
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 556

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604165

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|-------------------|---|--------------------------------|--------------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatoblastoma TGLs = 1-10] | | |
| | [Hepatocellular Adenoma TGLs = 2,5,6,7-11+13+14+15] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 3-12] | | |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Moderate |
| * Testes | Interstit Cell | Adenoma | |
| | [Adenoma TGLs = 4-7] | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Inflammation	Chronic, Marked
		Lymphoma Malignant	
	[Inflammation TGLs = 3-12]		
	[Lymphoma Malignant TGLs = 3-12]		
* Nose	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[Hepatoblastoma TGLs = 2-10]		
	[Hepatocellular Adenoma TGLs = 3,4-11+12]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 5,6-13+14]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Thymus		Hepatoblastoma	Metastatic (Liver)
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
	[Hemangiosarcoma TGLs = 1,3-10+12]		
	[Hepatocellular Carcinoma TGLs = 2,3-11+12]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Skin	Subcut Tiss	Hemangiosarcoma	
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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 | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------|--|------------------------|--------------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | [Eosinophilic Focus TGLs = 4-13] | | |
| | [Hepatoblastoma TGLs = 1-10] | | |
| | [Hepatocellular Adenoma TGLs = 2-11] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Chronic Active, Moderate |
| * Prostate | | Inflammation | Suppurative, Moderate |
| * Seminal Vesicle | | Inflammation | Chronic Active, Marked |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Harderian Gland		Adenoma	
* Heart	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4-12+13]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-14]		
* Nose	Olfactory Epi	Atrophy	Minimal
		Inflammation	Suppurative, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 628

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604172

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum * Trachea

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,6-12+15]		
	[Hepatocellular Carcinoma TGLs = 1,2,5-10+11+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Bronchiole	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Testes		Atrophy	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 628

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604172

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 524

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Small, Duodenum	* Stomach, Glandular
---------------	--------------------------	-----------------------------	----------------------

OBSERVATIONS

* Eye	Cornea	Inflammation	Chronic Active, Mild
* Heart		Necrosis	Mild
* Kidney		Hydronephrosis	Moderate
		Mineralization	Mild
	[Hydronephrosis TGLs = 1-4]		
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mineralization	Mild
		Necrosis	Moderate
	[Hepatocellular Adenoma TGLs = 5-4]		
	[Hepatocellular Carcinoma TGLs = 2-12]		
	[Necrosis TGLs = 3,4,6,7-12+11+14+13]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Prostate		Inflammation	Suppurative, Moderate
* Stomach, Forestomach		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 524

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604173

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth
Urethra

Dysplasia
Inflammation

Suppurative, Moderate

[Inflammation TGLs = 8-10]

PRIMARY CAUSE OF DEATH - Liver Necrosis

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 470

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Moderate
* Liver	Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 1-11]		
* Lung	Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLs = 2-10]		
* Stomach, Forestomach	Hyperplasia	Squamous, Minimal
	Ulcer	Moderate
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 2,3,4-10+11+12]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604176

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
	[Hemangiosarcoma TGLs = 6-13]		
	[Hepatocellular Adenoma TGLs = 4,5,6,7,8-11+12+13+14+15]		
* Nose	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 3-6]		
* Seminal Vesicle		Amyloid Deposition	Moderate
	[Amyloid Deposition TGLs = 2-7]		
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 9-16]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604176

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Dysplasia

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Prostate	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Amyloid Deposition	Mild
	Artery	Inflammation	Chronic Active, Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Carcinoma	
		Necrosis	Moderate
	[Hepatocellular Carcinoma TGLs = 3-10]		
	[Necrosis TGLs = 4-3]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604178

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------|----------------|--|----------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | [Clear Cell Focus TGLs = 5-14] | |
| | | [Hepatocellular Adenoma TGLs = 2,3,4-11+12+13] | |
| | | [Hepatocellular Carcinoma TGLs = 1-10] | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 715

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Lung	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Testes	* Thymus	* Thyroid Gland	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 1-10]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 4,7-13+16]		
	[Eosinophilic Focus TGLs = 7-16]		
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-11+12+13+14+15]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-10]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 519

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
	[Nephropathy TGLs = 1-4]		
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Preputial Gland Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------|------------------------|--------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Heart | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

- | | | | |
|---|----------------|--------------------------|----------------------|
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLs = 1-9] | | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| [Hepatocellular Adenoma TGLs = 4-12] | | | |
| [Hepatocellular Carcinoma TGLs = 2,3-10+11] | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | | Inflammation | Suppurative, Minimal |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 670

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 5-13]		
	[Hepatocellular Carcinoma TGLs = 1,2,3,4-10+11+12+13]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
* Stomach, Glandular		Necrosis	Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Hyperplasia	Mild
* Harderian Gland		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Mild
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic, Mild
		[Hepatoblastoma TGLs = 4,5-13+14]	
		[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]	
		[Inflammation TGLs = 6-15]	
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------|--|--------------------------------|----------------------|
| * Adrenal Cortex | | Adenoma | |
| | | Hypertrophy | Mild |
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Clear Cell Focus TGLs = 3-12] | | |
| | [Eosinophilic Focus TGLs = 3-12] | | |
| | [Hepatocellular Adenoma TGLs = 1,2,3-10+11+12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 4-13] | | |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Marked
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		[Eosinophilic Focus TGLs = 4-13]	
		[Hepatocellular Adenoma TGLs = 1,3,4-10+12+13]	
		[Hepatocellular Carcinoma TGLs = 2-11]	
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
	Alveolus	Infiltration Cellular	Histiocyte, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 496

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Lung	* Lymph Node, Mandibular	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Testes	* Thymus
Urethra			

MISSING

* Mammary Gland	* Parathyroid Gland
-----------------	---------------------

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Mild
* Prostate		Inflammation	Chronic Active, Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,6-11+12+14]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Bone		Chondrosarcoma	
	[Chondrosarcoma TGLs = 1-10]		
* Eye	Retina	Hemorrhage	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Hepatocellular Adenoma TGLs = 2-11]	Hepatocellular Adenoma	
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
Tooth		Dysplasia	
* Urinary Bladder		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Bone Chondrosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

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

OBSERVATIONS

- | | | | |
|-------------------|--|--------------------------|--------------------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Mild |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | [Angiectasis TGLs = 3-11] | | |
| | [Hepatocellular Carcinoma TGLs = 2-10] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Seminal Vesicle | | Amyloid Deposition | Moderate |
| | | Inflammation | Chronic Active, Moderate |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Clear Cell Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]		
* Lung	Alveolar/Bronchiolar Adenoma	
Tooth	Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 1,2,3,4,6-10+11+12+13+15]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Moderate
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	
	Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3-12]	
	[Hepatocellular Carcinoma TGLs = 2-11]	
* Lung	Alveolar/Bronchiolar Adenoma	Multiple
	Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Adenoma TGLs = 1-10]	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 704

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

* Kidney		Infarct	Moderate
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 2-10]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
	[Infiltration Cellular TGLs = 1-6]		
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|--------------------------|-------------------|
| * Kidney | | Mineralization | Mild |
| | Papilla | Necrosis | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hemangiosarcoma TGLs = 1-10] | | |
| | [Hepatoblastoma TGLs = 2-11] | | |
| | [Hepatocellular Adenoma TGLs = 3,5,6,7,9-12+14+15+16+18] | | |
| | [Hepatocellular Carcinoma TGLs = 8-17] | | |
| Tooth | | Dysplasia | |
| Urethra | | Inflammation | Suppurative, Mild |
| | [Inflammation TGLs = 4-13] | | |

PRIMARY CAUSE OF DEATH - Kidney Papilla Necrosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------|--|--------------------------------|----------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLs = 2-10] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 1-11] | | |
| * Nose | | Hyperplasia | Mild |
| | Respirat Epith | Metaplasia | Respiratory, Minimal |
| | Olfactory Epi | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney	Renal Tubule	Carcinoma	
	[Carcinoma TGLs = 8-16]	Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Clear Cell Focus TGLs = 7-15]		
	[Hepatoblastoma TGLs = 2-10]		
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 6-14]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Hepatocellular Carcinoma	Metastatic (Liver)
* Adrenal Medulla	Hepatocellular Carcinoma	Metastatic (Liver)
* Heart	Hepatocellular Carcinoma	Metastatic (Liver)
* Kidney	Hepatocellular Carcinoma	Metastatic (Liver)
	Nephropathy	Moderate
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
	Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 4,5-12+13]	
	[Hepatocellular Carcinoma TGLs = 1,7-10+15]	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3-11]	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 526

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Carcinoma	
	Mixed Cell Focus	
	Necrosis	Moderate
	[Hepatocellular Carcinoma TGLs = 1-12]	
	[Mixed Cell Focus TGLs = 3-11]	
* Lung	Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 2-10]	
* Nose	Olfactory Epi	Metaplasia
		Respiratory, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 685

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Heart	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 1,3-10+12]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Preputial Gland		Inflammation	Chronic Active, Marked
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Subcapsular	Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Cyst	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Inflammation	Chronic Active, Minimal
[Cyst TGLs = 2-10]			
[Hepatocellular Adenoma TGLs = 1,3,7,5-10+11+13]			
[Hepatocellular Carcinoma TGLs = 4-12]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLs = 6-5]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver	[Hepatocellular Adenoma TGLs = 1,2,3,5,4-10+11+12+13]	Hepatocellular Adenoma	Multiple
* Nose		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 534

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604203

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3-10]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 465

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	Urethra
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	[Nephropathy TGLs = 1-4]	Nephropathy	Mild
* Liver	[Hepatocellular Adenoma TGLs = 4-11]	Clear Cell Focus Hepatocellular Adenoma	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Inflammation	Chronic Active, Minimal
	[Eosinophilic Focus TGLs = 2-11]		
	[Hepatocellular Adenoma TGLs = 1-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-9]		
* Kidney		Nephropathy	Mild
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	[Alveolar/Bronchiolar Adenoma TGLs = 1,3-10+11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
	[Hepatoblastoma TGLs = 3-12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Skin	Subcut Tiss	Lipoma	
	[Lipoma TGLs = 1-10]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Islets, Pancreatic
* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	

MISSING

* Gallbladder	* Mammary Gland
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AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatoblastoma	
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 3-12]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Ulcer	Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Marked
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
	[Hepatocellular Carcinoma TGLs = 3,4-12+13]		
	[Necrosis TGLs = 6-14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-14]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 534

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1-5]		
* Nose	Olfactory Epi	Atrophy	Mild
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Suppurative, Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 2-10]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Testes
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
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AUTO PRECLUDES DIAG.

* Epididymis	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Kidney		Hepatocellular Carcinoma Nephropathy	Metastatic (Liver) Mild
	[Hepatocellular Carcinoma TGLs = 3-4]		
* Liver		Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 6-14]		
	[Hepatocellular Carcinoma TGLs = 4,5-12+13]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lymph Node, Mandibular		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Pleura		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 687

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604214

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 522

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Rectum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	

OBSERVATIONS

* Kidney		Hydronephrosis	Moderate
		Mineralization	Mild
	Papilla	Necrosis	Moderate
		Nephropathy	Mild
	[Hydronephrosis TGLs = 1-4]		
* Lung		Thrombosis	Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
* Prostate		Inflammation	Suppurative, Mild
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
Tooth		Dysplasia	
Urethra		Inflammation	Suppurative, Mild
	[Inflammation TGLs = 2-10]		

PRIMARY CAUSE OF DEATH - Urethra Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Pancreas	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]	
	[Hepatocellular Carcinoma TGLs = 2-10]	
	[Mixed Cell Focus TGLs = 6-14]	
* Nose	Inflammation	Suppurative, Mild
Tooth	Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 2,3-11+12]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Moderate
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Seminal Vesicle	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hemangiosarcoma	
* Kidney		Inflammation	Suppurative, Moderate
		Nephropathy	Mild
* Liver		Hemangiosarcoma	
		Hepatocellular Carcinoma	Multiple
	[Hemangiosarcoma TGLs = 2,3,5,6-11+12+13+14]		
	[Hepatocellular Carcinoma TGLs = 1,6-10+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Suppurative, Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	
	[Dysplasia TGLs = 4-1]		

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--|----------------|------------------------|-------------------|
| * Intestine Small, Duodenum
[Adenoma TGLs = 3-10] | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver
[Hepatocellular Adenoma TGLs = 1-10] | | Hepatocellular Adenoma | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| Lymph Node
[Hemangiosarcoma TGLs = 2-11] | Mediastinal | Hemangiosarcoma | |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Mild |
| Tooth | | Dysplasia | |

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLs = 2-10]		
* Preputial Gland	Cyst	Moderate
[Cyst TGLs = 1-8]		
Tooth	Dysplasia	

PRIMARY CAUSE OF DEATH - Tooth Dysplasia

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Intestine Small, Jejunum		Adenoma	
[Adenoma TGLs = 4-12]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Marked
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
[Angiectasis TGLs = 6-13]			
[Hepatocellular Adenoma TGLs = 5-12]			
[Hepatocellular Carcinoma TGLs = 1-10]			
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
[Alveolar/Bronchiolar Carcinoma TGLs = 2,3-3+11]			
* Nose	Olfactory Epi	Metaplasia	Respiratory, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Epididymis		Mineralization	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Angiectasis TGLs = 2-11]		
	[Basophilic Focus TGLs = 1-10]		
	[Hepatocellular Adenoma TGLs = 4-13]		
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-12]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Testes		Mineralization	Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Marked
	[Nephropathy TGLs = 4-4]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,5-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Thrombosis	Minimal
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Seminal Vesicle		Amyloid Deposition	Moderate
		Inflammation	Chronic Active, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604224

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Gallbladder
* Heart	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular	

OBSERVATIONS

* Kidney		Hydronephrosis Nephropathy	Mild Moderate
	[Hydronephrosis TGLs = 3-4]		
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4-12] [Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith Olfactory Epi	Hyperplasia Metaplasia	Minimal Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 571

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604225

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Stomach, Glandular			

OBSERVATIONS

* Harderian Gland		Carcinoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 3,4-5+10]		
	[Mixed Cell Focus TGLs = 2,4-5+10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,7-10+13]		
	[Hepatocellular Carcinoma TGLs = 4-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 5-3]		
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-12]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
	[Inflammation TGLs = 1-8]		
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 713

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Gallbladder	* Heart	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,2,4,5-10+11+13+14]		
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Nose	Respirat Epith	Hyperplasia	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 724

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604228

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* 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

* Mammary Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Heart		Mineralization	Minimal
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Cholangioma	Multiple
		Hepatocellular Adenoma	Multiple
	[Angiectasis TGLs = 7-10]		
	[Cholangioma TGLs = 6,10-3+16]		
	[Hepatocellular Adenoma TGLs = 8,10-14+16]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 1,2,3,4,5-10+3+11+12+13]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Spleen		Hemangiosarcoma	
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604229

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 2-9]		
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 3-11]	Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|------------------|--|------------------------------|-------------------|
| * Adrenal Cortex | | Hyperplasia | Moderate |
| * Epididymis | | Granuloma Sperm | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 1-10] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Suppurative, Mild |
| | Olfactory Epi | Metaplasia | Respiratory, Mild |

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604232

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Subcapsular	Adenoma	
		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Congestion	Mild
		Hepatocellular Adenoma	Multiple
	[Congestion TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 2,3,4-11+12+13]		
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1-10]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 425

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Harderian Gland		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 1-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604236

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLs = 1-7]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604237

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Minimal
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 1-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 399

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604238

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Thymus	* Thyroid Gland	* Trachea
Urethra			

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Kidney	Papilla	Necrosis Nephropathy	Moderate Minimal
[Necrosis TGLs = 3-4]			
* Nose	Respirat Epith Olfactory Epi	Hyperplasia Metaplasia	Mild Respiratory, Mild
* Pancreas		Necrosis	Mild
[Necrosis TGLs = 1-5]			

PRIMARY CAUSE OF DEATH - Kidney Papilla Necrosis

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma	TGLs = 1,2,3-10+11+12]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma	TGLs = 4-10]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
	[Hepatoblastoma TGLs = 2-11]		
	[Hepatocellular Adenoma TGLs = 1,3,4-10+12+13]		
	[Necrosis TGLs = 5-14]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Clear Cell Focus TGLs = 4-13]		
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
	[Mixed Cell Focus TGLs = 3-12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Atrophy	Minimal
	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Epididymis		Granuloma Sperm	Mild
* Eye		Degeneration	Marked
[Degeneration TGLs = 2-9]			
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 1-9]			
* Kidney	Renal Tubule	Adenoma	Multiple
		Nephropathy	Mild
[Adenoma TGLs = 11-18]			
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 3,4,5,6,8,9-10+11+12+13+15+16]			
* Lung	Alveolus	Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Moderate
[Alveolar/Bronchiolar Carcinoma TGLs = 10-17]			
* Nose	Olfactory Epi	Inflammation	Suppurative, Mild
		Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|------------------------|--|--------------------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Carcinoma | |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatoblastoma TGLs = 5-14] | | |
| | [Hepatocellular Adenoma TGLs = 4-13] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| * Nose | Respirat Epith | Hyperplasia | Moderate |
| | Olfactory Epi | Metaplasia | Respiratory, Moderate |
| * Stomach, Forestomach | | Hyperplasia | Squamous, Marked |
| | [Hyperplasia TGLs = 6-15] | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 534

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Eye	Inflammation	Suppurative, Moderate
* Harderian Gland	Carcinoma	
[Carcinoma TGLs = 1-9]		
* Kidney	Nephropathy	Mild
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
[Hepatocellular Adenoma TGLs = 3,4,5-5+11]		
[Hepatocellular Carcinoma TGLs = 2-10]		
* Lung	Carcinoma	Metastatic (Harderian Gland)
* Nose	Carcinoma	Metastatic (Harderian Gland)

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604245

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

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

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	Alveolar Epith	Hyperplasia	Moderate
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 717

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Hepatocellular Carcinoma	Metastatic (Liver)
		Nephropathy	Marked
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1-10]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3-12]		
Lymph Node	Mediastinal	Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Respirat Epith	Hyperplasia	Moderate
	Olfactory Epi	Metaplasia	Respiratory, Mild
* Thymus		Hepatocellular Carcinoma	Metastatic (Liver)
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * 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, Mandibular | * Lymph Node, Mesenteric | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------|---|--------------------------------|-------------------|
| * Bone Marrow | | Hemangiosarcoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Necrosis | Moderate |
| | [Hepatocellular Adenoma TGLs = 2,3,8-11+12+13] | | |
| | [Necrosis TGLs = 4-13] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | Multiple |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 5,7-14+15] | | |
| * Nose | | Olfactory Epi | Mild |
| | | Respirat Epith | Mild |
| | | Olfactory Epi | Respiratory, Mild |
| * Skin | | Subcut Tiss | |
| | [Hemangiosarcoma TGLs = 1-10] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 6-11] | | |
| Tooth | | Dysplasia | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 732

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Inflammation	Chronic, Marked
		Necrosis	Moderate
	[Hepatocellular Adenoma TGLs = 2,4-11+13]		
	[Inflammation TGLs = 3-12]		
	[Necrosis TGLs = 1-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Mild
Tooth		Dysplasia	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Heart	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 2-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild
* Skin	Subcut Tiss	Hemangioma	
	[Hemangioma TGLs = 3-11]		
Tooth		Dysplasia	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 1,3,4,5-10+12+13+14]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Minimal
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-15]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 201

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Eye		Degeneration	Marked
	[Degeneration TGLs = 1,5-9]		
* Harderian Gland		Adenoma	
	[Adenoma TGLs = 6-9]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Basophilic Focus TGLs = 3-11]	Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,4-10+12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Osteosarcoma	
[Osteosarcoma TGLs = 2-10]		
* Kidney	Nephropathy	Minimal
* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13+14]	Lymphoma Malignant	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 203

TRT#: 2

SEX: Female

DAY ON TEST: 372

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Lung	* Mammary Gland	* Pituitary Gland
* Salivary Glands	* Skin		

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 680

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland |
| * Parathyroid Gland | Peripheral Nerve | * Pituitary Gland | * Salivary Glands |
| * Skin | Spinal Cord | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|--------------------------|--|--------------------|----------------------|
| * Adrenal Cortex | | Lymphoma Malignant | |
| * Bone Marrow | | Lymphoma Malignant | |
| * Harderian Gland | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Mild |
| * Liver | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 2-3+4+5+15] | | |
| * Lung | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 3-5] | | |
| * Nose | | Inflammation | Suppurative, Minimal |
| * Ovary | | Lymphoma Malignant | |
| * Pancreas | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 1-4+14] | | |
| * Thymus | | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Marked
	[Hemangiosarcoma TGLs = 2,4,6-10+3+12+14]		
	[Hepatocellular Adenoma TGLs = 3-11]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 7-15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 1-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 206

TRT#: 2

SEX: Female

DAY ON TEST: 674

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Islets, Pancreatic
* Kidney	* Lung	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Thyroid Gland	* Trachea	* Uterus	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Urinary Bladder	

OBSERVATIONS

* Heart		Thrombosis	Marked
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	
		Necrosis	Marked
	[Hepatoblastoma TGLs = 3,4-11+12]		
	[Hepatocellular Adenoma TGLs = 5-13]		
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 2-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Salivary Glands		Necrosis	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 1-4]		

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 207

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Eye	* Intestine Small, Duodenum
-------	-----------------------------

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 8,9-15+16]		
	[Hepatocellular Carcinoma TGLs = 3-11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 4,6,5-12+13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-14]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 208

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * 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 | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------|---|------------------------|----------------|
| * Bone Marrow | | Hemangiosarcoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Moderate |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Lymphoma Malignant | |
| | [Angiectasis TGLs = 8-15] | | |
| | [Hemangiosarcoma TGLs = 4,6,9-11+13+16] | | |
| | [Hepatocellular Adenoma TGLs = 6,7-13+14] | | |
| | [Lymphoma Malignant TGLs = 5,10-12+14] | | |
| * Skin | Subcut Tiss | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 1-10] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLs = 3-4] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 2-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 209

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland [Adenoma TGLs = 5-9]	Adenoma	
* Kidney	Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLs = 2,3,4-10+11]	Hepatocellular Adenoma	Multiple
* Pituitary Gland Pars Distalis	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLs = 1-7]	Polyp Stromal	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 210

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,4-10+12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 3-11]		
* Uterus		Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 211

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------|--|------------------------------|------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLs = 4-11] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 2-10] | | |
| * Nose | | Hyperplasia | Minimal |
| * Ovary | | Cyst | Mild |
| | [Cyst TGLs = 3-7] | | |
| * Uterus | | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 212

TRT#: 2

SEX: Female

DAY ON TEST: 726

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum			

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4-12+13]		
	[Hepatocellular Carcinoma TGLs = 2,5-11+14]		
* Lung		Sarcoma	Metastatic (Skin)
* Ovary		Cyst	Mild
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 213

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2,3-10+11+12]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 4-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 214

TRT#: 2

SEX: Female

DAY ON TEST: 347

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Kidney	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Uterus	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Spleen
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 215

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3-11+12]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 216

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|---|--------------------------------|----------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | [Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12+13] | Hepatocellular Adenoma | Multiple |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 7-14] | Alveolar/Bronchiolar Carcinoma | |
| * Pituitary Gland | | Adenoma | |
| | [Adenoma TGLs = 8-15] | | |
| * Uterus | | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 6-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 217

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Eosinophilic Focus	
	[Eosinophilic Focus TGLs = 2-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 218

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 4,6-12+14]		
	[Hepatocellular Adenoma TGLs = 2,3,5,7-10+11+13+15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Lymphoma Malignant	
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 219

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Eye		Carcinoma	Metastatic (Harderian Gland)
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 1-9]			
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
[Hepatocellular Adenoma TGLs = 3,4,5-10+11+12]			
[Hepatocellular Carcinoma TGLs = 6-13]			
* Lung		Carcinoma	Metastatic (Harderian Gland)
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 2-4]			
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 220

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 2,5,6,7-11+14+15]		
	[Hepatocellular Carcinoma TGLs = 3,4-12+13]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-10]		
* Thymus		Lymphoma Malignant	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 4,5,6,8-11+12+13+15]		
	[Hepatocellular Carcinoma TGLs = 7-14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Adenoma TGLs = 1-10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Ovary		Lymphoma Malignant	
* Pancreas		Lymphoma Malignant	
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-4]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 221

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604271

ORGAN AND ACCOUNTABLE SITE STATUS

Lymphoma Malignant

[Hyperplasia TGLs = 2-7]

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 222

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|----------------------------|--|------------------------------|------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Harderian Gland | | Hyperplasia | Mild |
| * Intestine Small, Jejunum | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 5-13] | | |
| * Liver | | Eosinophilic Focus | |
| | [Hepatocellular Adenoma TGLs = 2,3,4-10+11+12] | Hepatocellular Adenoma | Multiple |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 6-14] | | |
| * Uterus | | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 1-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 669

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 5-13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Lymphoma Malignant	
	[Alveolar/Bronchiolar Carcinoma TGLs = 9-15]		
Lymph Node	Lumbar	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-11]		
	[Lymphoma Malignant TGLs = 4-12]		
	[Lymphoma Malignant TGLs = 6-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-6]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10-5]		
* Mammary Gland		Lymphoma Malignant	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 669

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604273

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Lymphoma Malignant
* Pituitary Gland		Lymphoma Malignant
	[Lymphoma Malignant TGLs = 1-10]	
* Spleen		Lymphoma Malignant
	[Lymphoma Malignant TGLs = 2-4]	
* Thymus		Lymphoma Malignant
	[Lymphoma Malignant TGLs = 7-6]	
* Thyroid Gland		Lymphoma Malignant

PRIMARY CAUSE OF DEATH - Pituitary Gland Lymphoma Malignant

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 224

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 1,2-10+11]		
Mesentery	Fat	Mild
[Necrosis TGLs = 3-12]		
* Pituitary Gland	Pars Distalis	Mild
[Angiectasis TGLs = 4-13]		
* Uterus	Endometrium	Cystic, Minimal

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 225

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Osteosarcoma	
	[Osteosarcoma TGLs = 2-10]		
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-11]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 226

TRT#: 2

SEX: Female

DAY ON TEST: 643

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Uterus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-10]			

PRIMARY CAUSE OF DEATH - UNCERTAIN

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 227

TRT#: 2

SEX: Female

DAY ON TEST: 682

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Forestomach	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Heart		Inflammation	Suppurative, Moderate
		Thrombosis	Mild
* Kidney		Inflammation	Suppurative, Mild
	Renal Tubule	Necrosis	Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 1-4]		
* Uterus		Thrombosis	Moderate
	[Thrombosis TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Heart Inflammation

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 228

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 1-10]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	[Hepatocellular Adenoma TGLs = 1,2,3,4,5-10+11+12]	Hepatocellular Adenoma	Multiple
* Nose	Respirat Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 6-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 230

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	Multiple
[Hepatocellular Adenoma	TGLs = 2,3,4,5,7-11+12+13+14+15+17]	
[Hepatocellular Carcinoma	TGLs = 1,6-10+16]	

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 231

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 2,3,4-10+11+12+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-15]		
Lymph Node	Lumbar	Angiectasis	Moderate
	[Angiectasis TGLs = 5-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 232

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 1-9]			
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Eosinophilic Focus TGLs = 6-14]			
[Hepatocellular Adenoma TGLs = 2,3,4,5-10+11+12+13]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 7-15]			
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 233

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolus	Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Carcinoma TGLs = 2-10]		
* Ovary		Cyst	Mild
		Cystadenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-11]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 4-12]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	
		Tension Lipidosis	Mild
	[Angiectasis TGLs = 2-10]		
	[Hepatocellular Adenoma TGLs = 3-11]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Polyp Stromal	
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 236

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	[Angiectasis TGLs = 3-12]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 237

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3-10+11]		
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
* Skin		Mast Cell Tumor Benign	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 238

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3-11+12]		
* Ovary		Cystadenoma	
	[Cystadenoma TGLs = 4-7]		
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Angiectasis Hepatocellular Carcinoma	Marked
	[Angiectasis TGLs = 4-12] [Hepatocellular Carcinoma TGLs = 3-11]		
* Lung	Alveolar Epith Alveolus	Hyperplasia Infiltration Cellular	Mild Histiocyte, Mild
	[Hyperplasia TGLs = 5-13]		
Lymph Node	Pancreatic	Ectasia	Marked
	[Ectasia TGLs = 2-10]		
* Pancreas	Duct	Atrophy Cyst	Marked Marked
	[Cyst TGLs = 2-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 240

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Necrosis	Minimal
	[Hepatocellular Adenoma TGLs = 3-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Uterus	Endometrium	Adenoma	
	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 241

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

Mesentery [Necrosis TGLs = 2-10]	Fat	Necrosis	Mild
* Uterus [Hyperplasia TGLs = 1-7]	Endometrium	Hyperplasia	Cystic, Marked

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 2,3,4,5-10+11+12+13]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Cyst	Moderate
	[Cyst TGLs = 1-7]		
* Pancreas		Atrophy	Mild
* Spleen		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 243

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Hyperplasia	Moderate
* Nose	Respirat Epith	Hyperplasia	Minimal

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,3,4-10+12+13]		
Lymph Node	Renal	Ectasia	Marked
[Ectasia	TGLs = 2-11]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 598

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------|----------------|
| * Eye | Cornea | Inflammation | Acute, Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | |
| | | Lymphoma Malignant | |
| | [Hepatocellular Adenoma TGLs = 14-21] | | |
| | [Lymphoma Malignant TGLs = 4,5,6-13+14+15] | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Renal | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 9-17] | | |
| | [Lymphoma Malignant TGLs = 11-18] | | |
| | [Lymphoma Malignant TGLs = 13-20] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 12-19] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 10-5] | | |
| Skeletal Muscle | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 1,2,3-10+11+12] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 598

DOSE: 0 mg/l

DISP: Moribund Sacrifice

HISTO: 0604295

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-4]		
* Stomach, Glandular		Mineralization	Mild
* Uterus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-16]		

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 639

DOSE: 0 mg/l

DISP: Natural Death

HISTO: 0604296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen	* Thymus	* Urinary Bladder

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
* Eye		Cataract	Moderate
* Heart		Mineralization	Moderate
* Kidney		Mineralization	Moderate
	Renal Tubule	Necrosis	Moderate
* Liver		Hepatocellular Carcinoma	
		Histiocytic Sarcoma	
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Mineralization	Marked
Mesentery		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-11]		
* Ovary		Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Stomach, Glandular		Mineralization	Mild
* Trachea		Mineralization	Moderate
* Uterus		Histiocytic Sarcoma	
	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 1,2-10+11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-12]		
* Pituitary Gland		Adenoma	
	[Adenoma TGLs = 3-6]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Harderian Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Amyloid Deposition	Moderate
		Nephropathy	Marked
* Ovary		Cyst	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 249

TRT#: 2

SEX: Female

DAY ON TEST: 730

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Ovary		Cystadenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 mg/l

DISP: Terminal Sacrifice

HISTO: 0604300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 4-11]		
	[Hepatocellular Carcinoma TGLs = 3-10]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 251

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver	[Hepatocellular Adenoma TGLs = 1,4,2,3,5-10+11+12+13]	Hepatocellular Adenoma	Multiple
* Nose	Olfactory Epi	Atrophy	Minimal
* Ovary	[Cyst TGLs = 6-7]	Cyst	Moderate

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Hematopoietic Cell Proliferation	Minimal
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Necrosis	Moderate
	[Hepatocellular Adenoma TGLs = 2,3-10+11]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
	[Necrosis TGLs = 6-14]		
* Lung		Inflammation	Chronic Active, Mild
Mesentery	Fat	Hemorrhage	Marked
	[Hemorrhage TGLs = 5-13]		
* Pancreas		Thrombosis	Marked
	[Thrombosis TGLs = 4-12]		
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 588

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Uterus			

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,5,6,7,8-12+13+14+15+16]		
* Skin	Subcut Tiss	Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 1-10]		
* Spleen		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 3-11]	Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLs = 2-4]		

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	Multiple
	[Angiectasis TGLs = 4-11]		
	[Hepatocellular Adenoma TGLs = 2,3,6-10+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-12]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 255

TRT#: 4

SEX: Female

DAY ON TEST: 508

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Spleen	* Stomach, Glandular
* Thymus	* Urinary Bladder	* Uterus	

OBSERVATIONS

Blood Vessel		Mineralization	Mild
* Heart		Mineralization	Mild
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Mineralization	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Trachea		Mineralization	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|--|--------------------------|----------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 2,4,6-10+12+14] | | |
| | [Hepatocellular Carcinoma TGLs = 3,5-11+13] | | |
| * Ovary | | Cystadenoma | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Lymphoma Malignant	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-10+11+12+13] [Lymphoma Malignant TGLs = 6-13]		
Mesentery	Fat	Necrosis	Mild
* Ovary		Cyst	Marked
	[Cyst TGLs = 1-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 258

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Tension Lipidosis	Mild
	[Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13+14]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|--|--------------------------|------------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 3,4,5-11+12+13] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | | Inflammation | Chronic Active, Marked |
| | [Inflammation TGLs = 1-10] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | [Hyperplasia TGLs = 2-7] | | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,4,6,9-10+11+12+14+15]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-5]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hemangiosarcoma Hepatocellular Adenoma	Multiple
	[Hemangiosarcoma TGLs = 3-11]		
	[Hepatocellular Adenoma TGLs = 4,5,6-12+13+14]		
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Salivary Glands		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Harderian Gland		Hyperplasia	Minimal
* Kidney		Amyloid Deposition	Mild
		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3,4,5,6-12+13+14+15]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 697

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Spleen	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,5,6-12+13+14]		
	[Hepatocellular Carcinoma TGLs = 2,3-10+11]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * 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 | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------------------|------------------------|----------|
| * Bone Marrow | | Lymphoma Malignant | |
| * Heart | Capillary | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma | TGLs = 2,3,4,5-10+11+12] | | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 6-13] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 7-14] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 8-15] | | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant | TGLs = 1-4] | | |
| * Thymus | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 265

TRT#: 4

SEX: Female

DAY ON TEST: 553

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Pituitary Gland	* Stomach, Glandular	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLs = 1-10]		Pheochromocytoma Malignant	
* Liver [Fatty Change TGLs = 3-12] [Hepatocellular Adenoma TGLs = 2,4-11+13]		Fatty Change Hepatocellular Adenoma	Mild Multiple

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 711

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Lung	* Mammary Gland	* Ovary
* Skin			

MISSING

* Brain	* Esophagus	* Eye	* Harderian Gland
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Thymus	* Thyroid Gland	Tooth
* Trachea			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Gallbladder		Hepatoblastoma	Metastatic (Liver)
	[Hepatoblastoma TGLs = 2-10]		
* Heart		Necrosis	Mild
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,5-12+13]		
	[Hepatocellular Carcinoma TGLs = 3,6-11+14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------|--|--------------------------|--------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 3,4,5,6,7-11+12+13+14+15] | | |
| | [Hepatocellular Carcinoma TGLs = 2-10] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Lung	* Mammary Gland	* Nose	* Ovary
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Uterus

MISSING

* Parathyroid Gland	* Salivary Glands	* Thyroid Gland
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AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney	Nephropathy	Mild
* Liver	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	

[Hepatocellular Adenoma TGLs = 1,3,4-10+12+13]

[Hepatocellular Carcinoma TGLs = 2-11]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Moderate
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,6,7,8-11+12+15+16+17]		
	[Hepatocellular Carcinoma TGLs = 4-13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-14]		
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	Mesentery	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Thrombosis	Moderate
	[Hepatocellular Adenoma TGLs = 4,6,7-12+14+15]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
	[Thrombosis TGLs = 3-11]		
Lymph Node	Renal	Ectasia	Moderate
	[Ectasia TGLs = 2-10]		
* Pancreas	Duct	Cyst	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLs = 6-15]			
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
[Hepatoblastoma TGLs = 2-11]			
[Hepatocellular Adenoma TGLs = 3,4,5-12+13+14]			
[Hepatocellular Carcinoma TGLs = 1-10]			
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLs = 8-16]			
* Nose	Olfactory Epi	Atrophy	Minimal
* Ovary		Cyst	Marked
[Cyst TGLs = 7-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLs = 9-17]			
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLs = 10-18]			

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Spleen	* Thyroid Gland		

AUTO PRECLUDES DIAG.

* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Blood Vessel		Mineralization	Moderate
* Heart		Cardiomyopathy	Mild
		Mineralization	Minimal
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
	[Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13+14]	Hepatocellular Adenoma	Multiple
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
		Alveolar/Bronchiolar Carcinoma	
		Mineralization	Mild
	[Alveolar/Bronchiolar Adenoma TGLs = 10-18]		
	[Alveolar/Bronchiolar Carcinoma TGLs = 8-16]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Lymphoma Malignant	
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		
* Stomach, Forestomach		Ulcer	Mild
* Stomach, Glandular		Mineralization	Mild
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9-17]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 272

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604322

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[Hyperplasia TGLs = 2-7]

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|--------------------------|--------|---|----------|
| * Harderian Gland | | Hyperplasia | Moderate |
| | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Angiectasis | Moderate |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Lymphoma Malignant | |
| | | [Hemangiosarcoma TGLs = 4-11] | |
| | | [Hepatocellular Adenoma TGLs = 3,5,6,7-10+12+13+14] | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLs = 8-15] | |
| | | [Lymphoma Malignant TGLs = 9-16] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLs = 2-4] | |
| * Stomach, Glandular | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 273

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604323

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[Hyperplasia TGLs = 1-7]

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Gallbladder	* Parathyroid Gland
---------------	---------------------

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2,6,3,4,5-10+11+12]		
* Lung	Alveolar/Bronchiolar Carcinoma	
* Ovary	Cyst	Marked
[Cyst TGLs = 1-7]		
* Pituitary Gland	Pars Distalis	Moderate

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 275

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Liver	[Hepatocellular Adenoma TGLs = 4,6,7,8,9-12+13+14+15+16]	Hepatocellular Adenoma	Multiple
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Ovary	[Cystadenoma TGLs = 1-7]	Cystadenoma	
* Skin	[Hyperplasia TGLs = 2-10]	Hyperplasia	Squamous, Marked
	[Inflammation TGLs = 3-11]	Inflammation	Chronic Active, Marked
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 494

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Lung
* Mammary Gland	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Uterus

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Gallbladder	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Spleen	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 2,3-5+10]		
* Pituitary Gland	Pars Distalis	Adenoma

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 277

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|-------------------|--|--------------------------------|----------------|
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Eosinophilic Focus TGLs = 6-14] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5,8-10+11+12+13+15] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolar Epith | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5-10+11+12+13]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 382

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Harderian Gland
* Mammary Gland	* Pituitary Gland	* Salivary Glands	* Skin

MISSING

* Parathyroid Gland	* Thyroid Gland
---------------------	-----------------

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

OBSERVATIONS

* Heart	Lymphoma Malignant	
	Mineralization	Minimal
* Kidney	Lymphoma Malignant	
* Liver	Lymphoma Malignant	
* Lung	Lymphoma Malignant	
* Lymph Node, Mandibular	Lymphoma Malignant	
* Thymus	Lymphoma Malignant	
* Urinary Bladder	Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 6-14]		
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 628

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Spleen	* Stomach, Forestomach
* Stomach, Glandular			

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple

[Hepatocellular Adenoma TGLs = 1-10]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 672

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Trachea			

MISSING

* Thymus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Mast Cell Tumor Malignant	
* Kidney		Mast Cell Tumor Malignant	
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]	Mast Cell Tumor Malignant	
* Lung		Mast Cell Tumor Malignant	
Lymph Node	Iliac	Mast Cell Tumor Malignant	
	[Mast Cell Tumor Malignant TGLs = 2-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-14]		
* Spleen		Mast Cell Tumor Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

PRIMARY CAUSE OF DEATH - Liver Mast Cell Tumor Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 7,8,9-15+16+17]		
	[Hepatocellular Carcinoma TGLs = 5,6-13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 2-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3,4-11+12]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 1,2,3,4,5-10+11+12+13+14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4-10+11+12] [Hepatocellular Carcinoma TGLs = 3-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-13]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 711

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Thymus	* Thyroid Gland	

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Lymphoma Malignant	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Basophilic Focus TGLs = 3-11]		
	[Hepatocellular Adenoma TGLs = 4-12]		
* Lung		Lymphoma Malignant	
* Mammary Gland		Carcinoma	
	[Carcinoma TGLs = 1-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-13]		
* Spleen		Thrombosis	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[Hemangiosarcoma TGLs = 3-11]		
	[Hepatocellular Adenoma TGLs = 4-12]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLs = 1-10]		
* Spleen		Hemangiosarcoma	
		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 2-4]		
* Uterus		Angiectasis	Marked
	[Angiectasis TGLs = 5-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,6-11+12+15]		
	[Hepatocellular Carcinoma TGLs = 1,4,5-10+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Adenoma TGLs = 7-16]		
	[Hepatocellular Carcinoma TGLs = 8-17]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland	* Thymus
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OBSERVATIONS

* Brain		Hemorrhage	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-10+11+12+13+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 7,8,9-15+16+17]		
* Ovary		Cyst	Marked
	[Cyst TGLs = 1-7]		
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 290

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Carcinoma	
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma	TGLs = 2,3,4,5,6-11+12+13+14+15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia	TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|--------------------------|-----------------|------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Lymph Node, Mandibular | * Mammary Gland | * Ovary |
| * Pituitary Gland | * Salivary Glands | * Skin | * Thyroid Gland |
| * Uterus | | | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | |
|---|--------------------------------|-----------------------|
| * Heart | Inflammation | Suppurative, Moderate |
| * Liver | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLs = 2,3-11+12] | | |
| * Lung | Alveolar/Bronchiolar Carcinoma | Multiple |
| [Alveolar/Bronchiolar Carcinoma TGLs = 4,5-13+14] | | |
| Mesentery | Fat | Mild |
| [Necrosis TGLs = 1-10] | | |
| * Thymus | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung) |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Eye	Cornea	Inflammation	Acute, Mild
* Kidney		Lymphoma Malignant	
* Liver		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Fatty Change TGLs = 8-3+4+11+12+13+14+15]		
	[Hepatocellular Adenoma TGLs = 3,4,5,6,7-11+12+13+14+15]		
	Lymph Node Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-10]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Thymus		Lymphoma Malignant	

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[Eosinophilic Focus TGLs = 10-18]		
	[Fatty Change TGLs = 8-15+16]		
	[Hepatocellular Adenoma TGLs = 6,7-13+14]		
	[Hepatocellular Carcinoma TGLs = 5-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Pancreatic	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-10]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Ovary		Cystadenoma	
	[Cystadenoma TGLs = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604343

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

[Lymphoma Malignant TGLs = 9-17]

Lymphoma Malignant

* Uterus

[Hyperplasia TGLs = 1-7]

Endometrium

Hyperplasia

Cystic, Marked

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 533

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

Blood Vessel		Mineralization	Marked
* Heart		Mineralization	Mild
* Kidney		Mineralization	Minimal
* Liver		Fatty Change	Marked
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Fatty Change TGLs = 2-3+4+5+11+12+13]		
	[Hepatocellular Carcinoma TGLs = 3,4,5-11+4+12]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Mineralization	Marked
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
	[Hyperplasia TGLs = 6-10]		
* Stomach, Glandular		Hyperplasia	Moderate
		Mineralization	Mild
	[Hyperplasia TGLs = 6-10]		
Tooth	Gingiva	Fibroma	Osseous
	[Fibroma TGLs = 1-14]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------|--|--------------------------|----------|
| * Brain | | Necrosis | Minimal |
| * Kidney | | Hydronephrosis | Mild |
| | Renal Tubule | Necrosis | Mild |
| | | Nephropathy | Minimal |
| | [Hydronephrosis TGLs = 13,15-18+4] | | |
| * Liver | | Hemangiosarcoma | |
| | | Hepatocellular Carcinoma | |
| | | Lymphoma Malignant | |
| | | Necrosis | Moderate |
| | [Hemangiosarcoma TGLs = 6-14] | | |
| | [Hepatocellular Carcinoma TGLs = 4-12] | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Renal | Hemangiosarcoma | |
| | Lumbar | Hemangiosarcoma | |
| | Mediastinal | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | Lumbar | Lymphoma Malignant | |
| | [Hemangiosarcoma TGLs = 11-16] | | |
| | [Hemangiosarcoma TGLs = 12-17] | | |
| | [Lymphoma Malignant TGLs = 9-14] | | |
| | [Lymphoma Malignant TGLs = 11-16] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 724

DOSE: 312.5 mg/l

DISP: Moribund Sacrifice

HISTO: 0604345

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 12-17]		
* Lymph Node, Mandibular		Lymphoma Malignant
[Lymphoma Malignant TGLs = 10-15]		
* Lymph Node, Mesenteric		Lymphoma Malignant
[Lymphoma Malignant TGLs = 3-11]		
Mesentery	Fat	Necrosis
[Necrosis TGLs = 1-10]		Mild
* Ovary		Cystadenoma
* Pituitary Gland	Pars Distalis	Hyperplasia
* Spleen		Lymphoma Malignant
[Lymphoma Malignant TGLs = 2-4+10]		
* Thymus		Lymphoma Malignant
[Lymphoma Malignant TGLs = 14-6]		

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Harderian Gland [Carcinoma TGLs = 1-9]	Bilateral	Carcinoma	
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Alveolar/Bronchiolar Adenoma	
		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric Mesentery [Necrosis TGLs = 4-10]	Fat	Lymphoma Malignant Necrosis	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen [Lymphoma Malignant TGLs = 2-4]		Lymphoma Malignant	
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus [Hyperplasia TGLs = 3-7]	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 297

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 5-14]		
	[Hepatocellular Carcinoma TGLs = 3,4-12+13]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 1-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-11]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 4,5,6,7,8-11+12+13+14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-4]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 662

DOSE: 312.5 mg/l

DISP: Natural Death

HISTO: 0604349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Uterus	

MISSING

* Brain	* Eye	* Harderian Gland	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Gallbladder
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Thymus	* Urinary Bladder		

OBSERVATIONS

* Heart		Thrombosis	Marked
* Kidney		Nephropathy	Moderate
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[Hepatoblastoma TGLs = 4-13]		
	[Hepatocellular Adenoma TGLs = 3,4-12+13]		
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1,2-10+11]		

PRIMARY CAUSE OF DEATH - Heart Thrombosis

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 312.5 mg/l

DISP: Terminal Sacrifice

HISTO: 0604350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Small, Jejunum [Inflammation TGLs = 7-16]		Inflammation	Granulomatous, Moderate
* Kidney		Lymphoma Malignant	
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,2,5,6-10+11+14+15]		
	[Hepatocellular Carcinoma TGLs = 3-12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Lymphoma Malignant	
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 8-16]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|---|--------------------------|------------------|
| * Harderian Gland | | Inflammation | Chronic, Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 3,4-12] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2,5-10+11] | | |
| * Lung | Bronchiole | Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|--|--------------------------|--------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Mild |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 3,4,5-11+12+13] | | |
| | [Hepatocellular Carcinoma TGLs = 1,2-10] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Uterus

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Glandular	* Urinary Bladder	

OBSERVATIONS

* Liver	Hepatocellular Adenoma Necrosis	Multiple Mild
[Hepatocellular Adenoma TGLs = 2,3,4-11+12+13]		
* Pituitary Gland	Hyperplasia	Moderate
* Skin	Inflammation	Acute, Moderate
[Inflammation TGLs = 1-10]		
* Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH - Skin Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|--------------------------|---------------------------|--------------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

AUTO PRECLUDES DIAG.

- * Intestine Small, Duodenum

OBSERVATIONS

- | | | | |
|--------------------------|---|--------------------------|----------|
| * Adrenal Cortex | | Lymphoma Malignant | |
| * Adrenal Medulla | | Pheochromocytoma Complex | |
| * Harderian Gland | | Adenoma | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Lymphoma Malignant | |
| | [Hepatocellular Adenoma TGLs = 4,5,6,7,8-11+12+13+14+15+16] | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Renal | Lymphoma Malignant | |
| | Lumbar | Lymphoma Malignant | |
| | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 9-17] | | |
| | [Lymphoma Malignant TGLs = 10-18] | | |
| | [Lymphoma Malignant TGLs = 11-19] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 1-10] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Spleen | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 304

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604354

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLs = 3-4]

* Thymus

Lymphoma Malignant

* Uterus

Endometrium

Hyperplasia

Cystic, Marked

[Hyperplasia TGLs = 2-7]

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland		Carcinoma	
	[Carcinoma TGLs = 2-9]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 5-13]		
	[Hepatocellular Carcinoma TGLs = 1,3,4-10+11+12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
* Lymph Node, Mesenteric		Hemorrhage	Moderate
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-14]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 6-4]		
* Stomach, Glandular		Dysplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Hepatocellular Adenoma	Multiple
	Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,2,4,5-10+11+13+14]	
	[Hepatocellular Carcinoma TGLs = 3-12]	
* Lung	Hepatocellular Carcinoma	Metastatic (Liver)

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Metaplasia	Osseous, Minimal
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Clear Cell Focus TGLs = 4-13]		
	[Eosinophilic Focus TGLs = 5-14]		
	[Hepatocellular Adenoma TGLs = 3-12]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
* Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-10]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Colon	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatoblastoma TGLs = 3-12]		
	[Hepatocellular Adenoma TGLs = 2,5-11]		
	[Hepatocellular Carcinoma TGLs = 1,4-10+13]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3,4,5-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1,2-10]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Gallbladder		Degeneration	Hyaline, Marked
* Kidney		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4,5-4+11]		
* Liver		Angiectasis	Mild
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Angiectasis TGLs = 14-15]		
	[Eosinophilic Focus TGLs = 15-13]		
	[Hepatocellular Adenoma TGLs = 11,12,13-15+16+12]		
* Lung		Lymphoma Malignant	
Lymph Node		Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	Deep Cervical	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-11]		
	[Lymphoma Malignant TGLs = 7-12]		
	[Lymphoma Malignant TGLs = 9-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-10]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-13]		
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 310

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604360

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLs = 10-14]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-4+10]			
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Lymphoma Malignant	
[Hyperplasia TGLs = 1-7]			

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|------------------------|---|--------------------------------|----------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hemangiosarcoma TGLs = 4-11] | | |
| | [Hepatocellular Adenoma TGLs = 2,3,5,6-10+11+12+13] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| * Pancreas | | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Lymphoma Malignant | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLs = 7-14] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 312

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
		Necrosis	Marked
	[Hepatocellular Adenoma TGLs = 8,9,10-14+15+16]		
	[Hepatocellular Carcinoma TGLs = 5,7-12+13]		
	[Necrosis TGLs = 5,6-12+5]		
Lymph Node	Renal	Ectasia	Marked
	[Ectasia TGLs = 4-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-10]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 2-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Lymphoma Malignant Nephropathy	Minimal
* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma Lymphoma Malignant	Multiple
	[Hepatocellular Adenoma TGLs = 7,8,9-15+16+17]		
	[Hepatocellular Carcinoma TGLs = 6-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10-5]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 5-13]		
* Ovary		Thrombosis	Marked
	[Thrombosis TGLs = 2-7]		
* Pancreas		Lymphoma Malignant	
* Parathyroid Gland		Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3,4-10+11+12]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 314

TRT#: 6

SEX: Female

DAY ON TEST: 309

DOSE: 625 mg/l

DISP: Moribund Sacrifice

HISTO: 0604364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney	Amyloid Deposition	Moderate
	Nephropathy	Moderate
* Liver	Clear Cell Focus	
	Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLs = 1-10]		
* Lung	Mineralization	Mild
* Thymus	Amyloid Deposition	Mild

PRIMARY CAUSE OF DEATH - Kidney Nephropathy

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 315

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,5-13]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12]		
* Thymus		Hyperplasia	Lymphoid, Mild
	[Hyperplasia TGLs = 6-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,5,6-10+11+13]		
	[Hepatocellular Carcinoma TGLs = 4-12]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Harderian Gland [Carcinoma TGLs = 1-9]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver [Hepatocellular Adenoma TGLs = 3,4,6,7-11+12+14] [Hepatocellular Carcinoma TGLs = 5-13]		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Lung	Alveolus	Carcinoma	Metastatic (Harderian Gland)
* Lymph Node, Mandibular [Hyperplasia TGLs = 10-10]		Infiltration Cellular Hyperplasia	Histiocyte, Mild Lymphoid, Moderate
Mesentery [Necrosis TGLs = 8-11]	Fat	Necrosis	Mild
* Ovary		Cyst	Moderate
* Uterus [Hyperplasia TGLs = 9-7]	Endometrium	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Intestine Small, Jejunum		Inflammation	Acute, Marked
		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 10-16]		
* Liver		Angiectasis	Mild
		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatoblastoma TGLs = 6,9-14+15]		
	[Hepatocellular Adenoma TGLs = 5,7,8-13+14]		
	[Hepatocellular Carcinoma TGLs = 4-12]		
Mesentery		Lipoma	
	[Lipoma TGLs = 3-11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Cyst	Marked
	[Cyst TGLs = 2-10]		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLs = 1-4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------|---|--------------------------|--------------------|
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 2,3,4-10+11] | | |
| | [Hepatocellular Carcinoma TGLs = 5,6-12+13] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Hepatocellular Carcinoma TGLs = 7-14] | | |
| * Ovary | | Thrombosis | Marked |
| | [Thrombosis TGLs = 1-7] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5,6,7-10+3+11+12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 8-13]		
* Ovary		Cyst	Mild
	[Cyst TGLs = 2-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Stomach, Glandular		

OBSERVATIONS

* Liver	Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 4,5-11+12]		
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLs = 1-6]		
* Skin	Subcut Tiss	Sarcoma
[Sarcoma TGLs = 2-10]		
* Uterus	Endometrium	Hyperplasia
[Hyperplasia TGLs = 3-7]		Cystic, Marked

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 643

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Harderian Gland	* Heart	* Nose	* Parathyroid Gland
* Skin	* Trachea		

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Pituitary Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Adrenal Medulla		Histiocytic Sarcoma	
* Bone Marrow		Histiocytic Sarcoma	
* Intestine Large, Colon		Histiocytic Sarcoma	
* Kidney		Histiocytic Sarcoma	
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Histiocytic Sarcoma	
	[Hepatocellular Adenoma TGLs = 7-15]		
	[Hepatocellular Carcinoma TGLs = 3,4,5,6-11+12+13+14]		
	[Histiocytic Sarcoma TGLs = 3,4,5,6,7-11+12+13+14+15]		
* Lung		Histiocytic Sarcoma	
Lymph Node	Renal	Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 2-10]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 9-15]		
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLs = 8-14]		
* Mammary Gland		Histiocytic Sarcoma	
* Ovary		Histiocytic Sarcoma	
* Salivary Glands		Histiocytic Sarcoma	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 322

TRT#: 6

SEX: Female

DAY ON TEST: 643

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604372

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Histiocytic Sarcoma
[Histiocytic Sarcoma TGLs = 1-10]	
* Thymus	Histiocytic Sarcoma
* Uterus	Histiocytic Sarcoma

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 647

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Urinary Bladder
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OBSERVATIONS

* Harderian Gland		Adenoma	
* Intestine Small, Ileum		Inflammation	Acute, Marked
[Inflammation TGLs = 2-4]			
* Kidney		Nephropathy	Mild
* Lung	Bronchiole	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 1-10]			
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Mild
		Ulcer	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH - Intestine Small, Ileum Inflammation

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|---|--------------------------|------------------------------|
| * Eye | | Degeneration | Moderate |
| * Harderian Gland | | Carcinoma | |
| | [Carcinoma TGLs = 1-9] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 7,8-13+14] | | |
| | [Hepatocellular Adenoma TGLs = 5,6-11+12] | | |
| | [Hepatocellular Carcinoma TGLs = 4-10] | | |
| * Lung | | Carcinoma | Metastatic (Harderian Gland) |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Ovary | | Cyst | Moderate |
| | [Cyst TGLs = 3-7] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 2-7] | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5,6-12+13+14]		
	[Hepatocellular Carcinoma TGLs = 1,2-10+11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland		Hyperplasia	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,6-10+11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 648

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Uterus

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Pancreas
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1-10] [Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
	[Hepatocellular Carcinoma TGLs = 3,5,6,7,8-12+14+15+16]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 4-13]		

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 620

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|--------------------------|----------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Harderian Gland |
| * Heart | * Intestine Large, Colon | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Uterus | |

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Urinary Bladder |

OBSERVATIONS

- | | | | |
|----------|--|--------------------------|--------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Moderate |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 3,4,5-12+13+14] | | |
| | [Hepatocellular Carcinoma TGLs = 2-11] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Skin | Subcut Tiss | Sarcoma | |
| | [Sarcoma TGLs = 1-10] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone * Skin

MISSING

* Brain * Esophagus * Eye * Harderian Gland
* Heart * Lung * Lymph Node, Mandibular * Mammary Gland
* Nose * Parathyroid Gland * Pituitary Gland * Salivary Glands
* Thymus * Thyroid Gland Tooth * Trachea

AUTO PRECLUDES DIAG.

* Adrenal Cortex * Adrenal Medulla * Bone Marrow * Gallbladder
* Intestine Large, Cecum * Intestine Large, Colon * Intestine Large, Rectum * Intestine Small, Duodenum
* Intestine Small, Ileum * Intestine Small, Jejunum * Islets, Pancreatic * Kidney
* Lymph Node, Mesenteric * Ovary * Pancreas * Spleen
* Stomach, Forestomach * Stomach, Glandular * Urinary Bladder * Uterus

INSUFFICIENT TISSUE

* Clitoral Gland

OBSERVATIONS

* Liver Hepatocellular Adenoma
Hepatocellular Carcinoma

[Hepatocellular Adenoma TGLs = 2-11]

[Hepatocellular Carcinoma TGLs = 1-10]

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Hepatoblastoma	
		Hepatocellular Adenoma	Multiple
	[Hepatoblastoma TGLs = 3-12]		
	[Hepatocellular Adenoma TGLs = 4,5,6,7,8-13+14+15+16]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Cervix	Sarcoma	
	[Sarcoma TGLs = 2-11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 3-11]		
	[Hepatocellular Carcinoma TGLs = 2-10]		
* Pancreas		Atrophy	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4-10+11+12]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Intestine Small, Duodenum [Lymphangiectasis TGLs = 7-13]		Lymphangiectasis	Moderate
* Liver [Hepatocellular Adenoma TGLs = 2,3,4,5,6-10+11+12]		Hepatocellular Adenoma	Multiple
* Lung [Alveolar/Bronchiolar Adenoma TGLs = 9-15]		Alveolar/Bronchiolar Adenoma	
Lymph Node [Hemorrhage TGLs = 8-14]	Lumbar	Hemorrhage	Moderate
* Nose	Respirat Epith Olfactory Epi	Hyperplasia Metaplasia	Minimal Respiratory, Minimal
* Spleen [Hematopoietic Cell Proliferation TGLs = 1-4]		Hematopoietic Cell Proliferation	Mild

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Small, Jejunum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 3,4,5,6,7,8-10+11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLs = 9-6]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,8-10+11+12+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 6-13]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 7-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 522

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Kidney
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Pancreas
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLs = 1-5]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 2,3,4-10+11+12]		
* Stomach, Forestomach		Hyperplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

- | | | |
|----------|--|------------------|
| * Kidney | Nephropathy | Minimal |
| * Liver | Angiectasis | Mild |
| | Basophilic Focus | |
| | Eosinophilic Focus | |
| | Hepatocellular Adenoma | Multiple |
| | [Eosinophilic Focus TGLs = 7-12] | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5,6-10+11+12+13+14] | |
| * Uterus | Endometrium | Cystic, Moderate |
| | [Hyperplasia TGLs = 1-7] | |
| | Hyperplasia | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Harderian Gland		Carcinoma	
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 4,5,6,7,8,9,10-11+12+13+14]		
* Lung		Alveolar/Bronchiolar Carcinoma	
		Carcinoma	Metastatic (Harderian Gland)
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-10]		
* Nose	Olfactory Epi	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-6]		
* Thyroid Gland	Follicular Cel	Hypertrophy	Mild
	[Hypertrophy TGLs = 12-3]		
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Eosinophilic Focus Hepatocellular Adenoma	Multiple
	[Eosinophilic Focus TGLs = 5-11] [Hepatocellular Adenoma TGLs = 3,4-10]		
* Ovary		Cyst	Moderate
	[Cyst TGLs = 1-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,3,4,5-10+12+13+14]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 6-15]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 7-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 341

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4-10+11+12+13] [Hepatocellular Carcinoma TGLs = 5-14]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------|---|--------------------------------|--------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hemangiosarcoma | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hemangiosarcoma TGLs = 6-13] | | |
| | [Hepatoblastoma TGLs = 2-10] | | |
| | [Hepatocellular Adenoma TGLs = 3,4,5-11+12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 343

TRT#: 6

SEX: Female

DAY ON TEST: 617

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Kidney	* Mammary Gland	* Nose
* Pituitary Gland			

MISSING

* Parathyroid Gland	* Salivary Glands
---------------------	-------------------

AUTO PRECLUDES DIAG.

* Adrenal Cortex	* Adrenal Medulla	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Hepatocellular Adenoma	
		Rhabdomyosarcoma	Metastatic (Uncertain Primary Site)
	[Rhabdomyosarcoma TGLs = 2,3-11+12]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 1-10]		
Mesentery		Rhabdomyosarcoma	Metastatic (Uncertain Primary Site)
	[Rhabdomyosarcoma TGLs = 6-14]		
* Pancreas		Rhabdomyosarcoma	Metastatic (Uncertain Primary Site)
* Skin	Subcut Tiss	Rhabdomyosarcoma	Metastatic (Uncertain Primary Site)
	[Rhabdomyosarcoma TGLs = 4-13]		
* Thymus		Rhabdomyosarcoma	Metastatic (Uncertain Primary Site)
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 5-7]		

PRIMARY CAUSE OF DEATH - Liver Rhabdomyosarcoma Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 344

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,5,6-10+13+14]		
	[Hepatocellular Carcinoma TGLs = 3,4-11+12]		
* Lung		Hepatocellular Carcinoma	Metastatic (Liver)
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 7-15]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 345

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|-----------------|------------------|-------------|
| * Bone | * Bone Marrow | * Clitoral Gland | * Esophagus |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Skin | | |

MISSING

- | | | | |
|---------------------|-------------------|-------------------|--------------------------|
| * Brain | * Eye | * Harderian Gland | * Lymph Node, Mandibular |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Thyroid Gland |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mesenteric | * Spleen | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|------------------------|--|--------------------------|------------------|
| Blood Vessel | | Mineralization | Moderate |
| * Heart | | Mineralization | Mild |
| * Kidney | | Mineralization | Moderate |
| | Renal Tubule | Necrosis | Mild |
| | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Carcinoma | |
| | | Necrosis | Marked |
| | [Hepatocellular Carcinoma TGLs = 2-10] | | |
| * Lung | | Inflammation | Acute, Moderate |
| | | Mineralization | Mild |
| * Stomach, Forestomach | | Hyperplasia | Squamous, Mild |
| * Stomach, Glandular | | Mineralization | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLs = 1-7] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	[Hepatocellular Adenoma TGLs = 2,3,4-10+11+12]	Hepatocellular Adenoma	Multiple
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Mild
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

MISSING

* Eye

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder	

OBSERVATIONS

* Intestine Large, Cecum		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 4-12]		
* Kidney		Lymphoma Malignant	
* Liver		Lymphoma Malignant	
* Lung		Lymphoma Malignant	
Lymph Node	Renal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-14]		
[Lymphoma Malignant	TGLs = 7-15]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 5-13]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 2-10]		
* Thymus		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 3-11]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 717

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604397

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 686

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Islets, Pancreatic	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland			

MISSING

* Eye

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
* Liver		Angiectasis	Moderate
	[Angiectasis TGLs = 4-11]	Lymphoma Malignant	
* Lung		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-12]		
Mesentery		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-4]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-13]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 686

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604398

ORGAN AND ACCOUNTABLE SITE STATUS

* Urinary Bladder

Lymphoma Malignant

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLs = 3-7]

PRIMARY CAUSE OF DEATH

- Lymph Node, Mesenteric Lymphoma Malignant

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 669

DOSE: 625 mg/l

DISP: Natural Death

HISTO: 0604399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 3-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Bronchiole	Hyperplasia	Minimal
		Sarcoma	Metastatic (Skin)
	[Alveolar/Bronchiolar Carcinoma TGLs = 4-12]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-11]		
* Nose	Olfactory Epi	Atrophy	Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLs = 1-10]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 625 mg/l

DISP: Terminal Sacrifice

HISTO: 0604400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,4,5-11+12]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 7,8-13+14]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
		Thrombosis	Marked
	[Hyperplasia TGLs = 6-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4-11+12]		
	[Hepatocellular Carcinoma TGLs = 2,5,6-10+13+14]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Parathyroid Gland

OBSERVATIONS

- | | | | |
|----------|---|--------------------------------|---------------------|
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Histiocytic Sarcoma | |
| | [Hepatoblastoma TGLs = 6-13] | | |
| | [Hepatocellular Adenoma TGLs = 8,9,10-15+16+17] | | |
| | [Hepatocellular Carcinoma TGLs = 7-14] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 11-18] | | |
| * Nose | | Olfactory Epi | Metaplasia |
| * Ovary | | | Cystadenoma |
| | [Cystadenoma TGLs = 4-7] | | |
| * Skin | | Subcut Tiss | Sarcoma |
| | [Sarcoma TGLs = 1-10] | | |
| * Thymus | | | Hyperplasia |
| | [Hyperplasia TGLs = 5-12] | | Lymphoid, Moderate |
| Tooth | | | Dysplasia |
| * Uterus | | | Histiocytic Sarcoma |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604402

ORGAN AND ACCOUNTABLE SITE STATUS

Endometrium
[Histiocytic Sarcoma TGLs = 3-11]
[Hyperplasia TGLs = 2-7]

Hyperplasia

Cystic, Marked

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 2-11]		
	[Hepatocellular Carcinoma TGLs = 3,4,5,6-12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 1-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------|--|------------------------------|----------|
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Lymphoma Malignant | |
| | [Hepatocellular Adenoma TGLs = 6,7,8,10-12+13+14+16] | | |
| | [Hepatocellular Carcinoma TGLs = 9-15] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLs = 11-17] | | |
| Lymph Node | Renal | Lymphoma Malignant | |
| | Lumbar | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 12-18] | | |
| | [Lymphoma Malignant TGLs = 13-19] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 2-11] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Cyst | Mild |
| | | Lymphoma Malignant | |
| | [Cyst TGLs = 5-7] | | |
| * Pancreas | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604404

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLs = 1-10]			
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant TGLs = 3-4]			
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 4-7]			

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 716

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Spleen
* Stomach, Forestomach			

MISSING

* Eye	* Lymph Node, Mandibular
-------	--------------------------

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 3,4,5,6-11+3+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 7-15]	Hyperplasia	Mild
* Nose		Hyperplasia	Minimal
* Salivary Glands		Inflammation	Chronic, Mild
* Skin		Sarcoma	
	[Sarcoma TGLs = 1-10]		
Tooth		Dysplasia	
* Uterus		Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|------------------------|----------------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 3,4,5,6-11+12+13+14] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 7-5] | | |
| * Nose | Olfactory Epi | Metaplasia | Respiratory, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLs = 2-10] | | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | | Cyst | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | [Hyperplasia TGLs = 1-7] | | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Osteosarcoma	Multiple
	[Osteosarcoma TGLs = 1,7-10+1]		
* Kidney		Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLs = 11-16]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Osteosarcoma	Metastatic (Bone)
	[Eosinophilic Focus TGLs = 4-11]		
	[Hepatocellular Adenoma TGLs = 5-12]		
	[Osteosarcoma TGLs = 4,5-11+12]		
* Lung		Osteosarcoma	Metastatic (Bone)
	[Osteosarcoma TGLs = 8,9,10-13+14+15]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 6-6]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 3-7]		

PRIMARY CAUSE OF DEATH - Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13]		
	[Hepatocellular Carcinoma TGLs = 1-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------|----------------------|-------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Harderian Gland |
| * Heart | * Islets, Pancreatic | * Mammary Gland | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Thymus |
| * Thyroid Gland | * Trachea | | |

MISSING

- * Parathyroid Gland

AUTO PRECLUDES DIAG.

- | | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Eye | * Gallbladder | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Stomach, Forestomach |
| * Stomach, Glandular | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|-------------|--------------------------------|----------|
| * Intestine Large, Cecum | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLs = 4,5-12] | | | |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLs = 10,11,12-15+16+17] | | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| [Alveolar/Bronchiolar Carcinoma TGLs = 9-14] | | | |
| Lymph Node | Mediastinal | Lymphoma Malignant | |
| | Iliac | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLs = 8-14] | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLs = 15-17] | | | |
| [Lymphoma Malignant TGLs = 13-18] | | | |
| [Lymphoma Malignant TGLs = 14-19] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLs = 7-13] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604409

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 3-11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma	TGLs = 2-10]		
* Spleen		Lymphoma Malignant	
[Lymphoma Malignant	TGLs = 6-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia	TGLs = 1-7]		

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Sarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 722

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Lymph Node, Mandibular	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	

MISSING

* Ovary

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart	Pericardium	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-13]		
* Kidney		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,3-10+12]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node	Bronchial	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Spleen		Fibrosarcoma	
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLs = 6-14]		
* Thymus		Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 4-7]		

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Angiectasis Hepatocellular Adenoma Hepatocellular Carcinoma	Moderate
	[Angiectasis TGLs = 4-12]		
	[Hepatocellular Adenoma TGLs = 2-10]		
	[Hepatocellular Carcinoma TGLs = 3-11]		
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Parathyroid Gland	* Urinary Bladder
---------------------	-------------------

OBSERVATIONS

* Liver		Eosinophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma	TGLs = 2-10]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia	TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland		Adenoma	
[Adenoma TGLs = 1-9]			
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
[Angiectasis TGLs = 5-12]			
[Hepatocellular Adenoma TGLs = 3,4,6,7-10+11+13+14]			
* Ovary		Cystadenoma	
[Cystadenoma TGLs = 8-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Islets, Pancreatic		Hyperplasia	Moderate
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 1,3,4-10+12+13]		
	[Hepatocellular Carcinoma TGLs = 2-11]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 5-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 677

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Intestine Small, Jejunum [Carcinoma TGLs = 7-16]	Carcinoma	
* Kidney	Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLs = 2,8,3-11+12] [Hepatocellular Carcinoma TGLs = 1-10]	Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
* Lung [Alveolar/Bronchiolar Adenoma TGLs = 5-14] [Alveolar/Bronchiolar Carcinoma TGLs = 4-13]	Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Metaplasia	Respiratory, Minimal
Pleura [Alveolar/Bronchiolar Carcinoma TGLs = 6-15]	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)
* Thymus	Alveolar/Bronchiolar Carcinoma	Metastatic (Lung)

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 533

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Parathyroid Gland

OBSERVATIONS

* Harderian Gland		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
	[Fatty Change TGLs = 1-12]		
* Lung		Alveolar/Bronchiolar Adenoma	
	[Alveolar/Bronchiolar Adenoma TGLs = 3-10]		
* Nose		Metaplasia	Respiratory, Mild
Tongue		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLs = 2-11]		

PRIMARY CAUSE OF DEATH - Tongue Squamous Cell Carcinoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 367

TRT#: 8

SEX: Female

DAY ON TEST: 582

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Uterus			

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Ovary	* Stomach, Forestomach
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Sarcoma	Metastatic (Mesentery)
* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
[Hepatocellular Adenoma TGLs = 4,8-13+15]			
* Lung		Sarcoma	Metastatic (Mesentery)
Lymph Node	Iliac	Sarcoma	Metastatic (Mesentery)
	Mediastinal	Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLs = 2-11]			
[Sarcoma TGLs = 7-14]			
* Lymph Node, Mandibular		Sarcoma	Metastatic (Mesentery)
* Lymph Node, Mesenteric		Sarcoma	Metastatic (Mesentery)
Mesentery		Sarcoma	
[Sarcoma TGLs = 1-10]			
* Pancreas		Sarcoma	Metastatic (Mesentery)
Skeletal Muscle		Sarcoma	Metastatic (Mesentery)
[Sarcoma TGLs = 3,5,6-12]			
* Thymus		Sarcoma	Metastatic (Mesentery)

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone Marrow	Angiectasis	Mild
* Harderian Gland	Adenoma	
* Kidney	Nephropathy	Moderate
* Liver	Eosinophilic Focus	
	Hepatocellular Carcinoma	
[Eosinophilic Focus TGLs = 3-11]		
[Hepatocellular Carcinoma TGLs = 1-10]		
* Stomach, Forestomach	Hyperplasia	Squamous, Marked
[Hyperplasia TGLs = 2-11]		
* Uterus	Endometrium	Cystic, Minimal
	Hyperplasia	

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Stomach, Glandular

OBSERVATIONS

* Kidney		Lymphoma Malignant	
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Angiectasis TGLs = 9-15]		
	[Hepatocellular Adenoma TGLs = 8,10,11,12-15+16+17+18]		
* Lung		Lymphoma Malignant	
Lymph Node	Mediastinal	Lymphoma Malignant	
	Renal	Lymphoma Malignant	
	Lumbar	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-12]		
	[Lymphoma Malignant TGLs = 6-13]		
	[Lymphoma Malignant TGLs = 7-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-10]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 4-11]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 3-11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Mild

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604419

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-10]		
* Thymus		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart	Artery	Inflammation	Chronic Active, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Hemangiosarcoma	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hemangiosarcoma TGLs = 6-13]		
	[Hepatocellular Adenoma TGLs = 3,5,4-11+12]		
	[Hepatocellular Carcinoma TGLs = 2-10]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
		Hepatocellular Carcinoma	Metastatic (Liver)
* Nose	Alveolar Epith	Hyperplasia	Minimal
	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 371

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

INSUFFICIENT TISSUE

- * Pituitary Gland

OBSERVATIONS

- | | | | |
|----------|--|------------------------|-----------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Tension Lipidosis | Mild |
| | [Hepatocellular Adenoma TGLs = 2-10] | | |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| | [Hyperplasia TGLs = 1-4] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Gallbladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatoblastoma	
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 3-4+11]		
	[Hepatoblastoma TGLs = 4-12]		
	[Hepatocellular Adenoma TGLs = 6-14]		
	[Hepatocellular Carcinoma TGLs = 5-13]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
		Hepatocellular Carcinoma	Metastatic (Liver)
	[Alveolar/Bronchiolar Carcinoma TGLs = 7-15]		
* Nose		Atrophy	Mild
		Hyperplasia	Minimal
* Ovary		Thrombosis	Marked
	[Thrombosis TGLs = 2-7]		
* Thymus		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-10]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 372

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604422

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth
* Uterus

Endometrium

Dysplasia
Hyperplasia

Cystic, Mild

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 373

TRT#: 8

SEX: Female

DAY ON TEST: 721

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|----------------------|--------------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Harderian Gland |
| * Heart | * Islets, Pancreatic | * Lymph Node, Mandibular | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Thymus | * Thyroid Gland |
| * Urinary Bladder | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Eye | * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Mammary Gland | * Nose | * Stomach, Forestomach | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

- | | | |
|--------------------------|--|--------------------|
| * Kidney | Mineralization | Moderate |
| | Nephropathy | Moderate |
| * Liver | Eosinophilic Focus | |
| | Hepatoblastoma | |
| | Hepatocellular Adenoma | Multiple |
| | Hepatocellular Carcinoma | |
| | [Hepatoblastoma TGLs = 2-11] | |
| | [Hepatocellular Adenoma TGLs = 3-12] | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | |
| * Lung | Hepatoblastoma | Metastatic (Liver) |
| | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Lymph Node, Mesenteric | Angiectasis | Moderate |
| Tooth | Dysplasia | |
| * Uterus | Endometrium | Cystic, Minimal |
| | Hyperplasia | |

PRIMARY CAUSE OF DEATH - Liver Hepatoblastoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Eosinophilic Focus TGLs = 6-3+13]		
	[Hepatocellular Adenoma TGLs = 2,3,5-10+12]		
	[Hepatocellular Carcinoma TGLs = 4-11]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Cystadenoma	
	[Cystadenoma TGLs = 7-7]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Lymphoma Malignant	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 375

TRT#: 8

SEX: Female

DAY ON TEST: 648

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Gallbladder
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skin	Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Bone		Hyperostosis	Moderate
	[Hyperostosis TGLs = 1-10]		
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Suppurative, Mild
		Nephropathy	Marked
* Liver		Eosinophilic Focus	
		Hemangiosarcoma	
		Hepatocellular Adenoma	
	[Eosinophilic Focus TGLs = 5-17]		
	[Hemangiosarcoma TGLs = 3-15]		
	[Hepatocellular Adenoma TGLs = 4-16]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Thrombosis	Marked
	[Thrombosis TGLs = 2-7]		
* Urinary Bladder		Inflammation	Chronic, Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH - Bone Hyperostosis

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Eye	Cornea	Inflammation	Chronic Active, Moderate
* Harderian Gland		Carcinoma	
	[Carcinoma TGLs = 1-9]		
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 7,8-12+13]		
	[Hepatocellular Carcinoma TGLs = 5,6-10+11]		
* Lung	Alveolar Epith	Hyperplasia	Marked
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 9-14]		
* Ovary		Cystadenoma	
		Thrombosis	Marked
	[Cystadenoma TGLs = 3-7]		
	[Thrombosis TGLs = 4-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 11-15]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild
	[Hyperplasia TGLs = 10-3]		
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 2-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Ovary	Thrombosis	Marked
[Thrombosis TGLs = 1-7]		

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|-----------|---|--------------------------------|-----------------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5,6,7,8-11+12+13+14+15+16] | | |
| | [Hepatocellular Carcinoma TGLs = 1-10] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 10-17] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 9-17] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Ovary | | Cystadenoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Ovary		Cyst	Moderate
[Cyst TGLs = 1-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 380

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Harderian Gland [Hyperplasia TGLs = 1-9]		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver [Hepatocellular Adenoma TGLs = 3,4,5,6,7-10+11+12+13+14]		Hepatocellular Adenoma	Multiple
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus [Hyperplasia TGLs = 2-10]	Endometrium	Hyperplasia	Cystic, Moderate

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * 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, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|------------------|--|--------------------------------|-----------------|
| * Adrenal Cortex | | Adenoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | [Eosinophilic Focus TGLs = 3,4-12+13] | | |
| | [Hepatocellular Adenoma TGLs = 1-10] | | |
| | [Hepatocellular Carcinoma TGLs = 2-11] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | Multiple |
| | [Alveolar/Bronchiolar Carcinoma TGLs = 5,6-14] | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Small, Jejunum [Carcinoma TGLs = 10-16]		Carcinoma	
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
	[Hepatocellular Adenoma TGLs = 5,6,7-12+13+14]		
	[Hepatocellular Carcinoma TGLs = 4-11]		
Lymph Node	Renal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9-15]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 8-10]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLs = 2-10]		
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	[Hyperplasia TGLs = 3-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

- | | | | |
|---|----------------|------------------------|----------------|
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLs = 6-9] | | | |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| [Hepatocellular Adenoma TGLs = 2,3,4,7-10+11+12+13] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLs = 5-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLs = 1-7] | | | |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 664

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Mammary Gland	* Ovary	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Uterus

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
	[Hepatocellular Adenoma TGLs = 4-11]		
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 1,2,3-10+11+12]		
* Nose	Olfactory Epi	Atrophy	Minimal
	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
	[Hyperplasia TGLs = 5-12]		
Tooth		Dysplasia	

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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 |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|-------------------|--|------------------------|----------------|
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLs = 2,3,4,5-11+12+13] | | |
| Mesentery | Fat | Necrosis | Mild |
| | [Necrosis TGLs = 1-10] | | |
| * Ovary | | Cystadenoma | |
| | [Cystadenoma TGLs = 7-7] | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLs = 6-7] | | |

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * 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, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|----------|----------------------------------|--------------------------------|----------------------|
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma | Hyperplasia | Minimal |
| * Nose | Alveolar Epith
TGLs = 1-10] | Atrophy | Minimal |
| | Olfactory Epi | Hyperplasia | Mild |
| | Respirat Epith | Inflammation | Suppurative, Minimal |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Pituitary Gland

OBSERVATIONS

* Liver		Fatty Change	Moderate
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,7,8-10+11+12+13+14]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Mild
	[Hyperplasia TGLs = 6-13]		
* Nose		Hyperplasia	Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4+10]		
* Thyroid Gland		Cyst	Moderate
* Uterus		Hyperplasia	Cystic, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Gallbladder
* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Parathyroid Gland	* Urinary Bladder
---------------------	-------------------

OBSERVATIONS

* Eye		Degeneration	Marked
* Harderian Gland		Carcinoma	
[Carcinoma TGLs = 1-9]			
* Ovary		Cyst	Marked
[Cyst TGLs = 3-10]			
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
[Hyperplasia TGLs = 2-7]			

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Ileum

OBSERVATIONS

* Intestine Large, Colon		Lymphoma Malignant	
* Intestine Large, Rectum		Lymphoma Malignant	
* Intestine Small, Jejunum		Lymphoma Malignant	
* Kidney		Lymphoma Malignant	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
		Lymphoma Malignant	
		Tension Lipidosis	Mild
	[Hepatocellular Adenoma TGLs = 5,6,7,8-12+13+14+15]		
	[Hepatocellular Carcinoma TGLs = 5-12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Lymphoma Malignant	
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Nose	Respirat Epith	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604439

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Lymphoma Malignant	
* Uterus		Hemangiosarcoma	
	Endometrium	Hyperplasia	Cystic, Moderate
	[Hemangiosarcoma TGLs = 3-11]		
	[Hyperplasia TGLs = 4-7]		
Zymbal's Gland		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-10]		

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Liver		Hepatocellular Adenoma Hepatocellular Carcinoma	Multiple
	[Hepatocellular Adenoma TGLs = 5,6,7-13+14+15] [Hepatocellular Carcinoma TGLs = 4-12]		
* Lung		Alveolar/Bronchiolar Adenoma Alveolar/Bronchiolar Carcinoma	Multiple Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 1,2-10+11]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLs = 3-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Pituitary Gland

OBSERVATIONS

* Liver		Hepatoblastoma	Multiple
		Hepatocellular Adenoma	Multiple
		Lymphoma Malignant	
	[Hepatoblastoma TGLs = 3,4-10+11]		
	[Hepatocellular Adenoma TGLs = 3,4,5,6-10+11+12+13]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 8-14]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-5]		
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4]		
* Thymus		Lymphoma Malignant	
Tooth		Dysplasia	
* Uterus	Endometrium	Hyperplasia	Cystic, Marked
	[Hyperplasia TGLs = 1-7]		

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Gallbladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Angiectasis	Moderate
		Hepatocellular Adenoma	Multiple
	[Hepatocellular Adenoma TGLs = 2,3,4,5,8-10+11+12+13+14]	Lymphoma Malignant	
* Lung		Alveolar/Bronchiolar Carcinoma	Multiple
	[Alveolar/Bronchiolar Carcinoma TGLs = 10-16]	Lymphoma Malignant	
Lymph Node	Pancreatic	Lymphoma Malignant	
	Mediastinal	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 9-15]		
* Lymph Node, Mandibular		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 7-6]		
* Lymph Node, Mesenteric		Lymphoma Malignant	
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 392

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604442

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

[Hyperplasia TGLs = 6-7]

Endometrium

Hyperplasia

Cystic, Mild

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Liver		Angiectasis	Mild
		Hepatocellular Carcinoma	Multiple
	[Angiectasis TGLs = 4-13]		
	[Hepatocellular Carcinoma TGLs = 1,2,3-10+11+12]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Nose	Olfactory Epi	Metaplasia	Respiratory, Minimal

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 573

DOSE: 1250 mg/l

DISP: Moribund Sacrifice

HISTO: 0604444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

* Gallbladder

OBSERVATIONS

* Liver	Hepatocellular Adenoma
* Ovary	Hemangioma

[Hemangioma TGLs = 1-10]

PRIMARY CAUSE OF DEATH

- Ovary Hemangioma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 395

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Gallbladder	* 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, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	Multiple
		Hepatocellular Carcinoma	
	[Hepatocellular Adenoma TGLs = 2,3,5-10+11+13+14]		
	[Hepatocellular Carcinoma TGLs = 4-12]		
* Lung	Alveolar Epith	Hyperplasia	Moderate
* Ovary		Cyst	Moderate
	[Cyst TGLs = 1-7]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 494

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Spleen	* Trachea

OBSERVATIONS

* Kidney	Renal Tubule	Necrosis	Marked
* Liver		Basophilic Focus	
		Necrosis	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Minimal
* Uterus		Inflammation	Acute, Marked
		Necrosis	Marked

[Inflammation TGLs = 1-10]

PRIMARY CAUSE OF DEATH - Uterus Necrosis

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 641

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Eye	* Gallbladder	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Pituitary Gland	* Spleen
* Stomach, Glandular	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Hemangiosarcoma	
	[Hemangiosarcoma TGLs = 6-14]		
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	Multiple
		Mixed Cell Focus	
	[Hepatocellular Adenoma TGLs = 2,3,4,5,7-10+11+12+13+15]		
* Lymph Node, Mesenteric		Hemorrhage	Moderate
	[Hemorrhage TGLs = 8-5]		
* Nose	Olfactory Epi	Atrophy	Mild
	Olfactory Epi	Metaplasia	Respiratory, Mild

PRIMARY CAUSE OF DEATH - Heart Hemangiosarcoma

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 398

TRT#: 8

SEX: Female

DAY ON TEST: 509

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Brain		Hemorrhage	Minimal
* Heart		Inflammation	Suppurative, Moderate
* Kidney	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
* Liver		Congestion	Moderate
		Hepatocellular Adenoma	Multiple
		Necrosis	Mild
	[Hepatocellular Adenoma TGLs = 3,4-10+11]		
* Lung		Alveolar/Bronchiolar Carcinoma	
	[Alveolar/Bronchiolar Carcinoma TGLs = 5-12]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLs = 1-4]		

PRIMARY CAUSE OF DEATH - Heart Inflammation

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
 Test Type: CHRONIC
 Route: DOSED WATER
 Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 12/06/2010
 Time Report Requested: 08:40:59
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 730

DOSE: 1250 mg/l

DISP: Terminal Sacrifice

HISTO: 0604449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Lymphoma Malignant	
* Adrenal Medulla		Lymphoma Malignant	
* Gallbladder		Degeneration	Hyaline, Moderate
* Kidney		Lymphoma Malignant	
		Nephropathy	Mild
* Liver		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 2-4+10]		
* Lung		Lymphoma Malignant	
Lymph Node	Bronchial	Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 3-11]		
* Lymph Node, Mandibular		Lymphoma Malignant	
* Lymph Node, Mesenteric		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 5-5]		
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLs = 4-12]		
* Spleen		Lymphoma Malignant	
	[Lymphoma Malignant TGLs = 1-4]		
* Thymus		Lymphoma Malignant	
* Urinary Bladder		Lymphoma Malignant	

* PROTOCOL REQUIRED TISSUE

TDMS No. 20009 - 04
Test Type: CHRONIC
Route: DOSED WATER
Species/Strain: MICE/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 12/06/2010
Time Report Requested: 08:40:59
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 586

DOSE: 1250 mg/l

DISP: Natural Death

HISTO: 0604450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Lung	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland

AUTO PRECLUDES DIAG.

* Bone Marrow	* Eye	* Gallbladder	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLs = 5-12]			
* Liver	Hepatocellular Carcinoma	Hepatocellular Carcinoma	Multiple
[Hepatocellular Carcinoma TGLs = 1,2,3-10+11]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLs = 6-13]			
* Uterus	Inflammation	Inflammation	Acute, Moderate
[Inflammation TGLs = 4-7]			

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

*** END OF REPORT ***