

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

F2_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: 2.4.1.0_004
PWG Approval Date: 12/14/2010

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SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF BETA-PICOLINE

MALE MICE

Organ

Adrenal Cortex
Heart

Kidney
Liver

Mesentery: Fat
Nose: Olfactory Epithelium
Prostate
Spleen
Stomach, Forestomach

FEMALE MICE

Organ

Kidney
Liver

Lung: Alveolar Epithelium
Lung: Bronchiole
Nose: Olfactory Epithelium

Nose: Respiratory Epithelium
Ovary
Pituitary Gland: Pars Distalis

Stomach, Forestomach
Thyroid Gland
Uterus

Morphology

Hyperplasia
Cardiomyopathy
Inflammation
Nephropathy
Clear Cell Focus
Eosinophilic Focus
Inflammation Chronic
Necrosis
Metaplasia Respiratory
Inflammation
Hyperplasia Lymphoid
Ulcer

Morphology

Nephropathy
Clear Cell Focus
Fatty Change
Mixed Cell Focus
Hyperplasia
Hyperplasia
Atrophy
Metaplasia Respiratory
Hyperplasia
Thrombosis
Angiectasis
Hyperplasia
Hyperplasia
Cyst
Inflammation Acute

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	10/49 (20%)	8/48 (17%)	10/50 (20%)	5/48 (10%)
POLY-3 RATE (b)	10/37.08	8/39.06	10/40.85	5/41.87
POLY-3 PERCENT (g)	27%	20.5%	24.5%	11.9%
TERMINAL (d)	7/24 (29%)	8/26 (31%)	9/27 (33%)	5/33 (15%)
FIRST INCIDENCE	505	730 (T)	670	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.072N	P=0.344N	P=0.503N	P=0.077N
POLY 1.5	P=0.097N	P=0.371N	P=0.534N	P=0.101N
POLY 6	P=0.045N*	P=0.325N	P=0.470N	P=0.052N
COCH-ARM / FISHERS	P=0.134N	P=0.416N	P=0.579N	P=0.140N
MAX-ISO-POLY-3	P=0.093N	P=0.257N	P=0.402N	P=0.053N

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	12/49 (24%)	14/48 (29%)	14/50 (28%)	17/48 (35%)
POLY-3 RATE (b)	12/37.63	14/39.99	14/41.80	17/41.92
POLY-3 PERCENT (g)	31.9%	35%	33.5%	40.6%
TERMINAL (d)	9/24 (38%)	11/26 (42%)	11/27 (41%)	16/33 (49%)
FIRST INCIDENCE	567	585	560	717
STATISTICAL TESTS				
POLY 3	P=0.244	P=0.480	P=0.535	P=0.282
POLY 1.5	P=0.198	P=0.443	P=0.494	P=0.227
POLY 6	P=0.321	P=0.509	P=0.579	P=0.365
COCH-ARM / FISHERS	P=0.152	P=0.386	P=0.433	P=0.170
MAX-ISO-POLY-3	P=0.357	P=0.386	P=0.440	P=0.221

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TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Blood Vessel Mineralization				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Epididymis				
Granuloma Sperm				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/36.85	1/40.84	0/40.63	2/42.90
POLY-3 PERCENT (g)	0%	2.5%	0%	4.7%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	2/33 (6%)
FIRST INCIDENCE	---	722	---	730 (T)
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.161	P=0.520	(e)	P=0.273
POLY 1.5	P=0.149	P=0.512	(e)	P=0.254
POLY 6	P=0.180	P=0.528	(e)	P=0.299
COCH-ARM / FISHERS	P=0.136	P=0.500	(e)	P=0.242
MAX-ISO-POLY-3	P=0.124	P=0.183	(e)	P=0.110

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	1/46 (2%)	1/47 (2%)	0/46 (0%)	4/47 (9%)
POLY-3 RATE (b)	1/35.38	1/38.85	0/37.63	4/41.95
POLY-3 PERCENT (g)	2.8%	2.6%	0%	9.5%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	2/33 (6%)
FIRST INCIDENCE	505	593	---	425
STATISTICAL TESTS				
POLY 3	P=0.072	P=0.740N	P=0.488N	P=0.234
POLY 1.5	P=0.067	P=0.746N	P=0.493N	P=0.212
POLY 6	P=0.080	P=0.735N	P=0.482N	P=0.265
COCH-ARM / FISHERS	P=0.063	P=0.747N	P=0.500N	P=0.187
MAX-ISO-POLY-3	P=0.080	P=0.473N	P=0.158N	P=0.135

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TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	12/50 (24%)	17/50 (34%)	7/50 (14%)	4/50 (8%)
POLY-3 RATE (b)	12/37.58	17/42.12	7/41.87	4/45.06
POLY-3 PERCENT (g)	31.9%	40.4%	16.7%	8.9%
TERMINAL (d)	9/24 (38%)	12/26 (46%)	4/27 (15%)	2/33 (6%)
FIRST INCIDENCE	624	621	456	425
STATISTICAL TESTS				
POLY 3	P<0.001N**	P=0.288	P=0.089N	P=0.008N**
POLY 1.5	P<0.001N**	P=0.244	P=0.112N	P=0.013N*
POLY 6	P<0.001N**	P=0.338	P=0.068N	P=0.004N**
COCH-ARM / FISHERS	P=0.004N**	P=0.189	P=0.154N	P=0.027N*
MAX-ISO-POLY-3	P<0.001N**	P=0.225	P=0.062N	P=0.006N**

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/38.38	0/40.81	0/40.63	0/43.74
POLY-3 PERCENT (g)	5.2%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	441	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.121N	P=0.223N	P=0.224N	P=0.209N
POLY 1.5	P=0.118N	P=0.229N	P=0.230N	P=0.222N
POLY 6	P=0.123N	P=0.219N	P=0.218N	P=0.193N
COCH-ARM / FISHERS	P=0.115N	P=0.247N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.032N*	P=0.075N	P=0.075N	P=0.075N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	1/50 (2%)	1/50 (2%)
POLY-3 RATE (b)	1/37.63	1/41.21	1/40.77	1/43.76
POLY-3 PERCENT (g)	2.7%	2.4%	2.5%	2.3%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	441	614	694	724
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Thrombosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	2/50 (4%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/37.82	2/41.17	1/40.63	0/43.74
POLY-3 PERCENT (g)	5.3%	4.9%	2.5%	0%
TERMINAL (d)	0/24 (0%)	1/26 (4%)	1/27 (4%)	0/33 (0%)
FIRST INCIDENCE	460	627	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.107N	P=0.664N	P=0.475N	P=0.206N
POLY 1.5	P=0.115N	P=0.675N	P=0.485N	P=0.220N
POLY 6	P=0.096N	P=0.653N	P=0.464N	P=0.189N
COCH-ARM / FISHERS	P=0.125N	P=0.691N	P=0.500N	P=0.247N
MAX-ISO-POLY-3	P=0.158N	P=0.466N	P=0.266N	P=0.075N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart: Artery				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/36.85	0/40.81	1/40.63	2/44.54
POLY-3 PERCENT (g)	0%	0%	2.5%	4.5%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	1/27 (4%)	1/33 (3%)
FIRST INCIDENCE	---	---	730 (T)	425
STATISTICAL TESTS				
POLY 3	P=0.089	(e)	P=0.519	P=0.282
POLY 1.5	P=0.080	(e)	P=0.511	P=0.262
POLY 6	P=0.104	(e)	P=0.529	P=0.309
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.136	(e)	P=0.182	P=0.118

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/48 (2%)	2/48 (4%)	0/49 (0%)
POLY-3 RATE (b)	0/36.68	1/39.69	2/39.55	0/42.90
POLY-3 PERCENT (g)	0%	2.5%	5.1%	0%
TERMINAL (d)	0/24 (0%)	1/26 (4%)	1/27 (4%)	0/33 (0%)
FIRST INCIDENCE	---	730 (T)	685	---
STATISTICAL TESTS				
POLY 3	P=0.555N	P=0.516	P=0.254	(e)
POLY 1.5	P=0.583N	P=0.508	P=0.245	(e)
POLY 6	P=0.514N	P=0.523	P=0.266	(e)
COCH-ARM / FISHERS	P=0.614N	P=0.495	P=0.242	(e)
MAX-ISO-POLY-3	P=0.353N	P=0.179	P=0.093	(e)

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Hydronephrosis				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	1/37.61	2/41.90	1/41.26	2/43.59
POLY-3 PERCENT (g)	2.7%	4.8%	2.4%	4.6%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	455	470	524	522
STATISTICAL TESTS				
POLY 3	P=0.499	P=0.538	P=0.740N	P=0.551
POLY 1.5	P=0.471	P=0.523	P=0.749N	P=0.525
POLY 6	P=0.539	P=0.553	P=0.730N	P=0.586
COCH-ARM / FISHERS	P=0.437	P=0.500	P=0.753N	P=0.492
MAX-ISO-POLY-3	P=0.533	P=0.321	P=0.474N	P=0.336

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney Inflammation				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	0/50 (0%)	1/49 (2%)
POLY-3 RATE (b)	2/38.00	0/40.81	0/40.63	1/42.88
POLY-3 PERCENT (g)	5.3%	0%	0%	2.3%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	441	---	---	709
STATISTICAL TESTS				
POLY 3	P=0.477N	P=0.221N	P=0.222N	P=0.458N
POLY 1.5	P=0.473N	P=0.227N	P=0.228N	P=0.480N
POLY 6	P=0.478N	P=0.216N	P=0.216N	P=0.428N
COCH-ARM / FISHERS	P=0.466N	P=0.247N	P=0.247N	P=0.508N
MAX-ISO-POLY-3	P=0.129N	P=0.075N	P=0.075N	P=0.259N

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 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	4/50 (8%)	4/50 (8%)	1/50 (2%)	4/49 (8%)
POLY-3 RATE (b)	4/36.90	4/40.84	1/41.27	4/43.47
POLY-3 PERCENT (g)	10.8%	9.8%	2.4%	9.2%
TERMINAL (d)	3/24 (13%)	3/26 (12%)	0/27 (0%)	2/33 (6%)
FIRST INCIDENCE	717	722	519	534
STATISTICAL TESTS				
POLY 3	P=0.468N	P=0.588N	P=0.145N	P=0.551N
POLY 1.5	P=0.496N	P=0.609N	P=0.159N	P=0.598N
POLY 6	P=0.428N	P=0.567N	P=0.131N	P=0.488N
COCH-ARM / FISHERS	P=0.531N	P=0.643N	P=0.181N	P=0.631
MAX-ISO-POLY-3	P=0.369N	P=0.441N	P=0.074N	P=0.410N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney Mineralization				
LESION RATES				
OVERALL (a)	3/50 (6%)	2/50 (4%)	2/50 (4%)	1/49 (2%)
POLY-3 RATE (b)	3/38.95	2/42.22	2/41.61	1/43.43
POLY-3 PERCENT (g)	7.7%	4.7%	4.8%	2.3%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	402	407	524	522
STATISTICAL TESTS				
POLY 3	P=0.210N	P=0.463N	P=0.470N	P=0.267N
POLY 1.5	P=0.224N	P=0.477N	P=0.483N	P=0.288N
POLY 6	P=0.189N	P=0.451N	P=0.454N	P=0.240N
COCH-ARM / FISHERS	P=0.238N	P=0.500N	P=0.500N	P=0.316N
MAX-ISO-POLY-3	P=0.229N	P=0.298N	P=0.302N	P=0.142N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	43/50 (86%)	49/50 (98%)	49/50 (98%)	49/49 (100%)
POLY-3 RATE (b)	43/45.97	49/49.84	49/49.37	49/49.00
POLY-3 PERCENT (g)	93.5%	98.3%	99.3%	100%
TERMINAL (d)	24/24 (100%)	26/26 (100%)	27/27 (100%)	33/33 (100%)
FIRST INCIDENCE	455	407	456	399
STATISTICAL TESTS				
POLY 3	P=0.017*	P=0.191	P=0.084	P=0.040*
POLY 1.5	P=0.007**	P=0.080	P=0.048*	P=0.017*
POLY 6	P=0.079	P=0.555	P=0.276	P=0.209
COCH-ARM / FISHERS	P=0.004**	P=0.030*	P=0.030*	P=0.007**
MAX-ISO-POLY-3	P=0.004**	P=0.067	P=0.018*	P=0.006**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	0/50 (0%)	1/50 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/37.93	0/40.81	1/40.98	2/44.27
POLY-3 PERCENT (g)	5.3%	0%	2.4%	4.5%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	441	---	631	399
STATISTICAL TESTS				
POLY 3	P=0.499	P=0.221N	P=0.473N	P=0.637N
POLY 1.5	P=0.482	P=0.227N	P=0.484N	P=0.665N
POLY 6	P=0.526	P=0.216N	P=0.460N	P=0.600N
COCH-ARM / FISHERS	P=0.462	P=0.247N	P=0.500N	P=0.684
MAX-ISO-POLY-3	P=0.390N	P=0.075N	P=0.265N	P=0.441N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.85	0/40.81	0/40.63	0/42.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	1/36.85	3/40.81	2/40.63	3/43.76
POLY-3 PERCENT (g)	2.7%	7.4%	4.9%	6.9%
TERMINAL (d)	1/24 (4%)	3/26 (12%)	2/27 (7%)	2/33 (6%)
FIRST INCIDENCE	730 (T)	730 (T)	730 (T)	724
STATISTICAL TESTS				
POLY 3	P=0.381	P=0.342	P=0.534	P=0.369
POLY 1.5	P=0.345	P=0.327	P=0.520	P=0.340
POLY 6	P=0.434	P=0.355	P=0.550	P=0.409
COCH-ARM / FISHERS	P=0.302	P=0.309	P=0.500	P=0.309
MAX-ISO-POLY-3	P=0.373	P=0.191	P=0.317	P=0.218

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	10/50 (20%)	12/50 (24%)	15/50 (30%)	7/50 (14%)
POLY-3 RATE (b)	10/41.59	12/44.78	15/43.19	7/44.54
POLY-3 PERCENT (g)	24.1%	26.8%	34.7%	15.7%
TERMINAL (d)	2/24 (8%)	3/26 (12%)	8/27 (30%)	6/33 (18%)
FIRST INCIDENCE	441	407	496	425
STATISTICAL TESTS				
POLY 3	P=0.187N	P=0.482	P=0.198	P=0.242N
POLY 1.5	P=0.212N	P=0.453	P=0.189	P=0.266N
POLY 6	P=0.155N	P=0.508	P=0.212	P=0.212N
COCH-ARM / FISHERS	P=0.244N	P=0.405	P=0.178	P=0.298N
MAX-ISO-POLY-3	P=0.144N	P=0.386	P=0.142	P=0.174N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	15/50 (30%)	19/50 (38%)	16/50 (32%)	9/50 (18%)
POLY-3 RATE (b)	15/38.63	19/42.70	16/43.20	9/45.09
POLY-3 PERCENT (g)	38.8%	44.5%	37%	20%
TERMINAL (d)	11/24 (46%)	16/26 (62%)	12/27 (44%)	7/33 (21%)
FIRST INCIDENCE	505	407	470	465
STATISTICAL TESTS				
POLY 3	P=0.012N*	P=0.382	P=0.525N	P=0.045N*
POLY 1.5	P=0.024N*	P=0.336	P=0.584N	P=0.071N
POLY 6	P=0.004N**	P=0.416	P=0.461N	P=0.024N*
COCH-ARM / FISHERS	P=0.055N	P=0.263	P=0.500	P=0.121N
MAX-ISO-POLY-3	P=0.018N*	P=0.305	P=0.434N	P=0.035N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	18/50 (36%)	16/50 (32%)	19/50 (38%)	10/50 (20%)
POLY-3 RATE (b)	18/39.00	16/41.54	19/42.42	10/44.71
POLY-3 PERCENT (g)	46.2%	38.5%	44.8%	22.4%
TERMINAL (d)	13/24 (54%)	14/26 (54%)	14/27 (52%)	8/33 (24%)
FIRST INCIDENCE	455	545	556	425
STATISTICAL TESTS				
POLY 3	P=0.013N*	P=0.314N	P=0.541N	P=0.016N*
POLY 1.5	P=0.027N*	P=0.353N	P=0.580	P=0.029N*
POLY 6	P=0.004N**	P=0.286N	P=0.476N	P=0.007N**
COCH-ARM / FISHERS	P=0.058N	P=0.417N	P=0.500	P=0.059N
MAX-ISO-POLY-3	P=0.020N*	P=0.244N	P=0.450N	P=0.013N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
<hr/>				
Liver				
Fatty Change				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.85	1/41.46	0/40.63	0/43.74
POLY-3 PERCENT (g)	0%	2.4%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	512	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	2/50 (4%)	3/50 (6%)
POLY-3 RATE (b)	0/36.85	0/40.81	2/40.63	3/43.74
POLY-3 PERCENT (g)	0%	0%	4.9%	6.9%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	2/27 (7%)	3/33 (9%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.038*	(e)	P=0.259	P=0.152
POLY 1.5	P=0.032*	(e)	P=0.250	P=0.137
POLY 6	P=0.047*	(e)	P=0.270	P=0.175
COCH-ARM / FISHERS	P=0.028*	(e)	P=0.247	P=0.121
MAX-ISO-POLY-3	P=0.058	(e)	P=0.097	P=0.067

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
<hr/>				
Liver				
Mixed Cell Focus				
<hr/>				
LESION RATES				
OVERALL (a)	5/50 (10%)	4/50 (8%)	5/50 (10%)	4/50 (8%)
POLY-3 RATE (b)	5/39.65	4/41.79	5/42.74	4/44.26
POLY-3 PERCENT (g)	12.6%	9.6%	11.7%	9%
TERMINAL (d)	0/24 (0%)	2/26 (8%)	1/27 (4%)	3/33 (9%)
FIRST INCIDENCE	455	512	526	571
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.404N	P=0.467N	P=0.583N	P=0.431N
POLY 1.5	P=0.433N	P=0.478N	P=0.602N	P=0.461N
POLY 6	P=0.362N	P=0.462N	P=0.563N	P=0.392N
COCH-ARM / FISHERS	P=0.467N	P=0.500N	P=0.630N	P=0.500N
MAX-ISO-POLY-3	P=0.494N	P=0.335N	P=0.450N	P=0.309N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	5/50 (10%)	6/50 (12%)	6/50 (12%)	4/50 (8%)
POLY-3 RATE (b)	5/39.08	6/43.09	6/43.22	4/43.74
POLY-3 PERCENT (g)	12.8%	13.9%	13.9%	9.2%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	0/27 (0%)	4/33 (12%)
FIRST INCIDENCE	402	580	524	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.325N	P=0.569	P=0.571	P=0.429N
POLY 1.5	P=0.356N	P=0.540	P=0.540	P=0.462N
POLY 6	P=0.285N	P=0.603	P=0.609	P=0.386N
COCH-ARM / FISHERS	P=0.392N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.458N	P=0.442	P=0.444	P=0.308N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.85	0/40.81	0/40.63	0/43.74
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/37.60	1/40.81	0/40.63	0/43.74
POLY-3 PERCENT (g)	5.3%	2.5%	0%	0%
TERMINAL (d)	1/24 (4%)	1/26 (4%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	460	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.471N	P=0.220N	P=0.205N
POLY 1.5	P=0.099N	P=0.482N	P=0.227N	P=0.219N
POLY 6	P=0.095N	P=0.462N	P=0.212N	P=0.187N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.264N	P=0.075N	P=0.075N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Mineralization				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/36.85	0/40.81	0/40.63	0/43.74
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/36.85	0/40.81	1/41.38	2/44.37
POLY-3 PERCENT (g)	0%	0%	2.4%	4.5%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	456	522
STATISTICAL TESTS				
POLY 3	P=0.089	(e)	P=0.523	P=0.281
POLY 1.5	P=0.080	(e)	P=0.514	P=0.261
POLY 6	P=0.103	(e)	P=0.534	P=0.308
COCH-ARM / FISHERS	P=0.070	(e)	P=0.500	P=0.247
MAX-ISO-POLY-3	P=0.135	(e)	P=0.186	P=0.117

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	4/50 (8%)	6/50 (12%)	6/50 (12%)	7/50 (14%)
POLY-3 RATE (b)	4/38.24	6/41.37	6/41.12	7/43.95
POLY-3 PERCENT (g)	10.5%	14.5%	14.6%	15.9%
TERMINAL (d)	2/24 (8%)	4/26 (15%)	4/27 (15%)	6/33 (18%)
FIRST INCIDENCE	455	593	659	675
STATISTICAL TESTS				
POLY 3	P=0.323	P=0.419	P=0.415	P=0.345
POLY 1.5	P=0.283	P=0.400	P=0.396	P=0.306
POLY 6	P=0.389	P=0.438	P=0.440	P=0.403
COCH-ARM / FISHERS	P=0.238	P=0.370	P=0.370	P=0.262
MAX-ISO-POLY-3	P=0.408	P=0.301	P=0.297	P=0.250

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	2/37.57	1/40.92	3/40.63	2/43.74
POLY-3 PERCENT (g)	5.3%	2.4%	7.4%	4.6%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	3/27 (11%)	2/33 (6%)
FIRST INCIDENCE	505	702	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.564	P=0.470N	P=0.536	P=0.638N
POLY 1.5	P=0.535	P=0.482N	P=0.521	P=0.663N
POLY 6	P=0.605N	P=0.460N	P=0.552	P=0.603N
COCH-ARM / FISHERS	P=0.500	P=0.500N	P=0.500	P=0.691N
MAX-ISO-POLY-3	P=0.543	P=0.263N	P=0.360	P=0.441N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	1/50 (2%)	0/50 (0%)	1/50 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/37.26	0/40.81	1/40.99	0/43.74
POLY-3 PERCENT (g)	2.7%	0%	2.4%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	613	---	628	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	5/7 (71%)	0/1 (0%)	1/1 (100%)	1/1 (100%)
POLY-3 RATE (b)	5/5.88	0/1.00	1/1.00	1/1.00
POLY-3 PERCENT (g)	85%	0%	100%	100%
TERMINAL (d)	3/3 (100%)	0/1 (0%)	1/1 (100%)	1/1 (100%)
FIRST INCIDENCE	543	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.669	P=0.204N	P=0.940	P=0.940
POLY 1.5	P=0.566	P=0.301N	P=0.833	P=0.833
POLY 6	P=0.867	P=0.058N	P=1.000	P=1.000
COCH-ARM / FISHERS	P=0.478	P=0.375N	P=0.750	P=0.750
MAX-ISO-POLY-3	P=0.392	P=0.020N*	P=0.339	P=0.339

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose Inflammation				
LESION RATES				
OVERALL (a)	4/50 (8%)	9/50 (18%)	9/50 (18%)	6/50 (12%)
POLY-3 RATE (b)	4/37.80	9/43.68	9/42.29	6/44.43
POLY-3 PERCENT (g)	10.6%	20.6%	21.3%	13.5%
TERMINAL (d)	2/24 (8%)	3/26 (12%)	3/27 (11%)	4/33 (12%)
FIRST INCIDENCE	402	470	548	534
STATISTICAL TESTS				
POLY 3	P=0.526N	P=0.176	P=0.159	P=0.474
POLY 1.5	P=0.526	P=0.149	P=0.139	P=0.426
POLY 6	P=0.439N	P=0.211	P=0.189	P=0.539
COCH-ARM / FISHERS	P=0.445	P=0.117	P=0.117	P=0.370
MAX-ISO-POLY-3	P=0.310	P=0.124	P=0.107	P=0.354

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	3/50 (6%)	4/50 (8%)	8/50 (16%)	7/50 (14%)
POLY-3 RATE (b)	3/37.48	4/41.08	8/42.52	7/44.56
POLY-3 PERCENT (g)	8%	9.7%	18.8%	15.7%
TERMINAL (d)	2/24 (8%)	2/26 (8%)	5/27 (19%)	5/33 (15%)
FIRST INCIDENCE	524	675	496	534
STATISTICAL TESTS				
POLY 3	P=0.165	P=0.550	P=0.140	P=0.236
POLY 1.5	P=0.131	P=0.531	P=0.122	P=0.199
POLY 6	P=0.225	P=0.569	P=0.163	P=0.292
COCH-ARM / FISHERS	P=0.097	P=0.500	P=0.100	P=0.159
MAX-ISO-POLY-3	P=0.210	P=0.397	P=0.092	P=0.165

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	8/50 (16%)	12/50 (24%)	30/50 (60%)	41/50 (82%)
POLY-3 RATE (b)	8/38.02	12/43.18	30/45.89	41/48.68
POLY-3 PERCENT (g)	21%	27.8%	65.4%	84.2%
TERMINAL (d)	5/24 (21%)	6/26 (23%)	18/27 (67%)	27/33 (82%)
FIRST INCIDENCE	460	470	456	399
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.327	P<0.001**	P<0.001**
POLY 1.5	P<0.001**	P=0.284	P<0.001**	P<0.001**
POLY 6	P<0.001**	P=0.375	P<0.001**	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.227	P<0.001**	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.252	P<0.001**	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose: Respiratory Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	18/50 (36%)	23/50 (46%)	23/50 (46%)	17/50 (34%)
POLY-3 RATE (b)	18/40.23	23/45.75	23/44.74	17/46.18
POLY-3 PERCENT (g)	44.8%	50.3%	51.4%	36.8%
TERMINAL (d)	10/24 (42%)	10/26 (39%)	10/27 (37%)	10/33 (30%)
FIRST INCIDENCE	441	470	496	399
STATISTICAL TESTS				
POLY 3	P=0.174N	P=0.382	P=0.343	P=0.296N
POLY 1.5	P=0.241N	P=0.303	P=0.280	P=0.379N
POLY 6	P=0.113N	P=0.475	P=0.428	P=0.213N
COCH-ARM / FISHERS	P=0.357N	P=0.208	P=0.208	P=0.500N
MAX-ISO-POLY-3	P=0.231N	P=0.312	P=0.276	P=0.240N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Pancreas				
Atrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/48 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	1/36.68	0/39.69	0/39.37	0/42.90
POLY-3 PERCENT (g)	2.7%	0%	0%	0%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Parathyroid Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/37 (0%)	0/39 (0%)	0/44 (0%)	0/31 (0%)
POLY-3 RATE (b)	0/26.38	0/32.31	0/36.03	0/27.48
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/18 (0%)	0/20 (0%)	0/25 (0%)	0/22 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Pituitary Gland: Pars Distalis Angiectasis				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/49 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/34.95	0/40.63	0/40.31	0/42.90
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Pituitary Gland: Pars Distalis Hyperplasia				
LESION RATES				
OVERALL (a)	1/47 (2%)	0/49 (0%)	2/49 (4%)	0/49 (0%)
POLY-3 RATE (b)	1/34.95	0/40.63	2/40.31	0/42.90
POLY-3 PERCENT (g)	2.9%	0%	5%	0%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	2/27 (7%)	0/33 (0%)
FIRST INCIDENCE	730 (T)	---	730 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.421N	P=0.470N	P=0.550	P=0.459N
POLY 1.5	P=0.436N	P=0.478N	P=0.536	P=0.473N
POLY 6	P=0.397N	P=0.465N	P=0.563	P=0.442N
COCH-ARM / FISHERS	P=0.452N	P=0.490N	P=0.516	P=0.490N
MAX-ISO-POLY-3	P=0.325N	P=0.155N	P=0.332	P=0.155N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Preputial Gland Inflammation Chronic				
LESION RATES				
OVERALL (a)	3/50 (6%)	3/50 (6%)	4/50 (8%)	1/50 (2%)
POLY-3 RATE (b)	3/37.61	3/41.41	4/41.44	1/43.74
POLY-3 PERCENT (g)	8%	7.3%	9.7%	2.3%
TERMINAL (d)	2/24 (8%)	1/26 (4%)	2/27 (7%)	1/33 (3%)
FIRST INCIDENCE	455	583	519	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.191N	P=0.618N	P=0.553	P=0.253N
POLY 1.5	P=0.216N	P=0.636N	P=0.531	P=0.276N
POLY 6	P=0.159N	P=0.599N	P=0.580	P=0.224N
COCH-ARM / FISHERS	P=0.248N	P=0.661N	P=0.500	P=0.309N
MAX-ISO-POLY-3	P=0.256N	P=0.452N	P=0.400	P=0.136N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Prostate Inflammation				
LESION RATES				
OVERALL (a)	4/50 (8%)	0/50 (0%)	2/48 (4%)	1/50 (2%)
POLY-3 RATE (b)	4/38.06	0/40.81	2/40.06	1/44.37
POLY-3 PERCENT (g)	10.5%	0%	5%	2.3%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	1/27 (4%)	0/33 (0%)
FIRST INCIDENCE	441	---	524	522
STATISTICAL TESTS				
POLY 3	P=0.181N	P=0.051N	P=0.312N	P=0.135N
POLY 1.5	P=0.191N	P=0.054N	P=0.330N	P=0.154N
POLY 6	P=0.167N	P=0.048N*	P=0.292N	P=0.114N
COCH-ARM / FISHERS	P=0.201N	P=0.059N	P=0.359N	P=0.181N
MAX-ISO-POLY-3	P=0.066N	P=0.019N*	P=0.189N	P=0.072N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Seminal Vesicle Amyloid Deposition				
LESION RATES				
OVERALL (a)	0/47 (0%)	0/48 (0%)	2/49 (4%)	1/47 (2%)
POLY-3 RATE (b)	0/35.05	0/39.25	2/39.69	1/41.79
POLY-3 PERCENT (g)	0%	0%	5%	2.4%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	2/27 (7%)	1/33 (3%)
FIRST INCIDENCE	---	---	730 (T)	730 (T)
STATISTICAL TESTS				
POLY 3	P=0.302	(e)	P=0.265	P=0.535
POLY 1.5	P=0.276	(e)	P=0.258	P=0.520
POLY 6	P=0.340	(e)	P=0.272	P=0.553
COCH-ARM / FISHERS	P=0.244	(e)	P=0.258	P=0.500
MAX-ISO-POLY-3	P=0.228	(e)	P=0.100	P=0.201

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Seminal Vesicle Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/47 (0%)	1/48 (2%)	3/49 (6%)	2/47 (4%)
POLY-3 RATE (b)	0/35.05	1/39.25	3/39.69	2/42.42
POLY-3 PERCENT (g)	0%	2.6%	7.6%	4.7%
TERMINAL (d)	0/24 (0%)	1/26 (4%)	3/27 (11%)	1/33 (3%)
FIRST INCIDENCE	---	730 (T)	730 (T)	522
STATISTICAL TESTS				
POLY 3	P=0.229	P=0.523	P=0.141	P=0.282
POLY 1.5	P=0.198	P=0.516	P=0.135	P=0.262
POLY 6	P=0.275	P=0.528	P=0.147	P=0.307
COCH-ARM / FISHERS	P=0.161	P=0.505	P=0.129	P=0.247
MAX-ISO-POLY-3	P=0.163	P=0.184	P=0.056	P=0.118

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Skin				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/37.07	1/40.87	0/40.63	0/43.74
POLY-3 PERCENT (g)	5.4%	2.5%	0%	0%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	670	715	---	---
STATISTICAL TESTS				
POLY 3	P=0.097N	P=0.466N	P=0.217N	P=0.202N
POLY 1.5	P=0.099N	P=0.479N	P=0.225N	P=0.217N
POLY 6	P=0.095N	P=0.455N	P=0.208N	P=0.184N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.247N	P=0.247N
MAX-ISO-POLY-3	P=0.077N	P=0.261N	P=0.075N	P=0.075N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	1/46 (2%)	1/48 (2%)	0/47 (0%)	0/46 (0%)
POLY-3 RATE (b)	1/35.78	1/40.14	0/39.00	0/40.87
POLY-3 PERCENT (g)	2.8%	2.5%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	624	632	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	2/46 (4%)	0/48 (0%)	0/47 (0%)	0/46 (0%)
POLY-3 RATE (b)	2/35.87	0/39.79	0/39.00	0/40.87
POLY-3 PERCENT (g)	5.6%	0%	0%	0%
TERMINAL (d)	1/24 (4%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	590	---	---	---
STATISTICAL TESTS				
POLY 3	P=0.120N	P=0.214N	P=0.218N	P=0.209N
POLY 1.5	P=0.117N	P=0.219N	P=0.224N	P=0.221N
POLY 6	P=0.123N	P=0.211N	P=0.212N	P=0.193N
COCH-ARM / FISHERS	P=0.114N	P=0.237N	P=0.242N	P=0.247N
MAX-ISO-POLY-3	P=0.031N*	P=0.073N	P=0.074N	P=0.075N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l

Stomach, Forestomach
Hyperplasia

LESION RATES

OVERALL (a)	2/47 (4%)	4/47 (9%)	3/47 (6%)	1/47 (2%)
POLY-3 RATE (b)	2/36.18	4/39.27	3/40.41	1/41.90
POLY-3 PERCENT (g)	5.5%	10.2%	7.4%	2.4%
TERMINAL (d)	0/24 (0%)	3/26 (12%)	1/27 (4%)	1/33 (3%)
FIRST INCIDENCE	646	675	456	730 (T)

STATISTICAL TESTS

POLY 3	P=0.226N	P=0.375	P=0.550	P=0.449N
POLY 1.5	P=0.254N	P=0.361	P=0.531	P=0.471N
POLY 6	P=0.192N	P=0.385	P=0.570	P=0.421N
COCH-ARM / FISHERS	P=0.291N	P=0.339	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.285N	P=0.238	P=0.375	P=0.253N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	5/47 (11%)	3/47 (6%)	4/47 (9%)	1/47 (2%)
POLY-3 RATE (b)	5/37.78	3/39.75	4/41.04	1/42.11
POLY-3 PERCENT (g)	13.2%	7.6%	9.8%	2.4%
TERMINAL (d)	0/24 (0%)	1/26 (4%)	1/27 (4%)	0/33 (0%)
FIRST INCIDENCE	543	585	456	675
STATISTICAL TESTS				
POLY 3	P=0.073N	P=0.327N	P=0.448N	P=0.077N
POLY 1.5	P=0.082N	P=0.336N	P=0.467N	P=0.087N
POLY 6	P=0.061N	P=0.324N	P=0.433N	P=0.066N
COCH-ARM / FISHERS	P=0.095N	P=0.357N	P=0.500N	P=0.102N
MAX-ISO-POLY-3	P=0.072N	P=0.212N	P=0.321N	P=0.039N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	0/42 (0%)	2/45 (4%)	0/43 (0%)	0/45 (0%)
POLY-3 RATE (b)	0/33.56	2/37.53	0/36.53	0/40.48
POLY-3 PERCENT (g)	0%	5.3%	0%	0%
TERMINAL (d)	0/24 (0%)	2/26 (8%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	730 (T)	---	---
STATISTICAL TESTS				
POLY 3	P=0.367N	P=0.262	(e)	(e)
POLY 1.5	P=0.378N	P=0.259	(e)	(e)
POLY 6	P=0.353N	P=0.263	(e)	(e)
COCH-ARM / FISHERS	P=0.395N	P=0.265	(e)	(e)
MAX-ISO-POLY-3	P=0.265N	P=0.096	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Glandular Ulcer				
LESION RATES				
OVERALL (a)	1/42 (2%)	2/45 (4%)	0/43 (0%)	0/45 (0%)
POLY-3 RATE (b)	1/33.62	2/38.14	0/36.53	0/40.48
POLY-3 PERCENT (g)	3%	5.2%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	717	580	---	---
STATISTICAL TESTS				
POLY 3	P=0.165N	P=0.544	P=0.483N	P=0.463N
POLY 1.5	P=0.171N	P=0.537	P=0.488N	P=0.473N
POLY 6	P=0.156N	P=0.550	P=0.478N	P=0.449N
COCH-ARM / FISHERS	P=0.180N	P=0.526	P=0.494N	P=0.483N
MAX-ISO-POLY-3	P=0.188N	P=0.324	P=0.157N	P=0.154N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Testes				
Atrophy				
LESION RATES				
OVERALL (a)	1/50 (2%)	2/50 (4%)	2/50 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/37.07	2/41.76	2/41.75	0/43.74
POLY-3 PERCENT (g)	2.7%	4.8%	4.8%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	670	545	456	---
STATISTICAL TESTS				
POLY 3	P=0.243N	P=0.541	P=0.541	P=0.467N
POLY 1.5	P=0.266N	P=0.525	P=0.525	P=0.482N
POLY 6	P=0.214N	P=0.557	P=0.560	P=0.449N
COCH-ARM / FISHERS	P=0.296N	P=0.500	P=0.500	P=0.500N
MAX-ISO-POLY-3	P=0.262N	P=0.325	P=0.325	P=0.158N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Thyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/49 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/36.68	0/40.81	0/40.31	0/42.80
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/24 (0%)	0/26 (0%)	0/27 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
<hr/>				
Tooth Dysplasia				
<hr/>				
LESION RATES				
OVERALL (a)	35/35 (100%)	41/41 (100%)	42/42 (100%)	41/41 (100%)
POLY-3 RATE (b)	35/35.00	41/41.00	42/42.00	41/41.00
POLY-3 PERCENT (g)	100%	100%	100%	100%
TERMINAL (d)	19/19 (100%)	24/24 (100%)	24/24 (100%)	27/27 (100%)
FIRST INCIDENCE	441	407	470	465
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Males			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Urethra Inflammation				
LESION RATES				
OVERALL (a)	1/3 (33%)	3/3 (100%)	3/5 (60%)	1/3 (33%)
POLY-3 RATE (b)	1/1.61	3/3.00	3/3.67	1/1.42
POLY-3 PERCENT (g)	62%	100%	81.7%	70.3%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	441	470	524	522
STATISTICAL TESTS				
POLY 3	P=0.644N	P=0.683	P=0.769	P=0.884
POLY 1.5	P=0.530N	P=0.328	P=0.612	P=0.802
POLY 6	P=0.982N	P=1.000	P=0.997	P=0.999
COCH-ARM / FISHERS	P=0.455N	P=0.200	P=0.500	P=0.800N
MAX-ISO-POLY-3	P=0.410	P=0.067	P=0.319	P=0.434

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Adrenal Cortex Hyperplasia				
LESION RATES				
OVERALL (a)	2/49 (4%)	0/45 (0%)	0/46 (0%)	1/50 (2%)
POLY-3 RATE (b)	2/46.39	0/41.35	0/42.73	1/44.10
POLY-3 PERCENT (g)	4.3%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	643	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.446N	P=0.263N	P=0.256N	P=0.518N
POLY 1.5	P=0.449N	P=0.260N	P=0.254N	P=0.506N
POLY 6	P=0.442N	P=0.268N	P=0.258N	P=0.533N
COCH-ARM / FISHERS	P=0.451N	P=0.269N	P=0.263N	P=0.492N
MAX-ISO-POLY-3	P=0.168N	P=0.096N	P=0.091N	P=0.301N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Adrenal Cortex Hypertrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/45 (2%)	0/46 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/45.85	1/41.35	0/42.73	1/44.34
POLY-3 PERCENT (g)	2.2%	2.4%	0%	2.3%
TERMINAL (d)	1/38 (3%)	1/32 (3%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	---	664
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
<hr/>				
Blood Vessel Mineralization				
<hr/>				
LESION RATES				
OVERALL (a)	2/2 (100%)	3/3 (100%)	1/1 (100%)	0/0 (0%)
POLY-3 RATE (b)	2/2.00	3/3.00	1/1.00	0/0.00
POLY-3 PERCENT (g)	100%	100%	100%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	639	508	711	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	(e)	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Harderian Gland Hyperplasia				
LESION RATES				
OVERALL (a)	5/45 (11%)	2/41 (5%)	1/43 (2%)	1/47 (2%)
POLY-3 RATE (b)	5/43.69	2/37.73	1/40.46	1/42.58
POLY-3 PERCENT (g)	11.5%	5.3%	2.5%	2.4%
TERMINAL (d)	4/38 (11%)	2/32 (6%)	1/35 (3%)	1/33 (3%)
FIRST INCIDENCE	669	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.056N	P=0.279N	P=0.119N	P=0.107N
POLY 1.5	P=0.055N	P=0.270N	P=0.117N	P=0.100N
POLY 6	P=0.059N	P=0.287N	P=0.121N	P=0.116N
COCH-ARM / FISHERS	P=0.054N	P=0.257N	P=0.112N	P=0.092N
MAX-ISO-POLY-3	P=0.052N	P=0.175N	P=0.059N	P=0.051N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL (a)	4/50 (8%)	1/50 (2%)	7/49 (14%)	3/50 (6%)
POLY-3 RATE (b)	4/46.21	1/44.52	7/46.00	3/44.59
POLY-3 PERCENT (g)	8.7%	2.3%	15.2%	6.7%
TERMINAL (d)	3/38 (8%)	0/32 (0%)	5/35 (14%)	1/33 (3%)
FIRST INCIDENCE	669	700	522	648
STATISTICAL TESTS				
POLY 3	P=0.501	P=0.190N	P=0.258	P=0.519N
POLY 1.5	P=0.511	P=0.185N	P=0.256	P=0.509N
POLY 6	P=0.485	P=0.197N	P=0.258	P=0.535N
COCH-ARM / FISHERS	P=0.517	P=0.181N	P=0.251	P=0.500N
MAX-ISO-POLY-3	P=0.279	P=0.094N	P=0.167	P=0.367N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Inflammation				
LESION RATES				
OVERALL (a)	1/50 (2%)	1/50 (2%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	1/46.16	1/44.51	0/44.97	1/44.76
POLY-3 PERCENT (g)	2.2%	2.3%	0%	2.2%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	682	704	---	509
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	4/50 (8%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	1/46.31	4/46.65	1/45.04	0/44.10
POLY-3 PERCENT (g)	2.2%	8.6%	2.2%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	639	382	711	---
STATISTICAL TESTS				
POLY 3	P=0.175N	P=0.181	P=0.754	P=0.510N
POLY 1.5	P=0.168N	P=0.182	P=0.755	P=0.505N
POLY 6	P=0.186N	P=0.178	P=0.752	P=0.517N
COCH-ARM / FISHERS	P=0.164N	P=0.181	P=0.747	P=0.500N
MAX-ISO-POLY-3	P=0.128N	P=0.086	P=0.491	P=0.171N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart Thrombosis				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	2/46.37	1/44.66	0/44.97	0/44.10
POLY-3 PERCENT (g)	4.3%	2.2%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	674	662	---	---
STATISTICAL TESTS				
POLY 3	P=0.101N	P=0.513N	P=0.244N	P=0.249N
POLY 1.5	P=0.101N	P=0.507N	P=0.243N	P=0.243N
POLY 6	P=0.102N	P=0.521N	P=0.247N	P=0.258N
COCH-ARM / FISHERS	P=0.101N	P=0.500N	P=0.253N	P=0.247N
MAX-ISO-POLY-3	P=0.092N	P=0.295N	P=0.081N	P=0.087N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Heart: Artery				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.98	0/44.41	0/44.97	1/44.10
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Islets, Pancreatic Hyperplasia				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/41 (0%)	1/45 (2%)	1/45 (2%)
POLY-3 RATE (b)	0/45.74	0/38.56	1/42.61	1/40.47
POLY-3 PERCENT (g)	0%	0%	2.4%	2.5%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	1/35 (3%)	1/33 (3%)
FIRST INCIDENCE	---	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Hydronephrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/47 (2%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.85	1/42.88	0/44.27	0/43.34
POLY-3 PERCENT (g)	0%	2.3%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	724	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney Inflammation				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/47 (0%)	0/48 (0%)	1/49 (2%)
POLY-3 RATE (b)	1/46.03	0/42.86	0/44.27	1/43.64
POLY-3 PERCENT (g)	2.2%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	682	---	---	648
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Metaplasia Osseous				
LESION RATES				
OVERALL (a)	0/49 (0%)	1/47 (2%)	1/48 (2%)	0/49 (0%)
POLY-3 RATE (b)	0/45.85	1/42.86	1/44.27	0/43.34
POLY-3 PERCENT (g)	0%	2.3%	2.3%	0%
TERMINAL (d)	0/38 (0%)	1/32 (3%)	1/35 (3%)	0/33 (0%)
FIRST INCIDENCE	---	729 (T)	729 (T)	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney Mineralization				
LESION RATES				
OVERALL (a)	3/49 (6%)	2/47 (4%)	1/48 (2%)	2/49 (4%)
POLY-3 RATE (b)	3/46.19	2/43.58	1/44.34	2/43.43
POLY-3 PERCENT (g)	6.5%	4.6%	2.3%	4.6%
TERMINAL (d)	1/38 (3%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	639	533	711	716
STATISTICAL TESTS				
POLY 3	P=0.415N	P=0.526N	P=0.320N	P=0.528N
POLY 1.5	P=0.409N	P=0.523N	P=0.317N	P=0.515N
POLY 6	P=0.424N	P=0.531N	P=0.323N	P=0.544N
COCH-ARM / FISHERS	P=0.399N	P=0.520N	P=0.316N	P=0.500N
MAX-ISO-POLY-3	P=0.404N	P=0.350N	P=0.168N	P=0.353N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

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

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney				
Nephropathy				
LESION RATES				
OVERALL (a)	29/49 (59%)	16/47 (34%)	25/48 (52%)	30/49 (61%)
POLY-3 RATE (b)	29/47.11	16/44.23	25/46.28	30/46.35
POLY-3 PERCENT (g)	61.6%	36.2%	54%	64.7%
TERMINAL (d)	23/38 (61%)	10/32 (31%)	19/35 (54%)	21/33 (64%)
FIRST INCIDENCE	598	588	309	509
STATISTICAL TESTS				
POLY 3	P=0.161	P=0.011N*	P=0.298N	P=0.458
POLY 1.5	P=0.171	P=0.011N*	P=0.298N	P=0.482
POLY 6	P=0.146	P=0.012N*	P=0.304N	P=0.426
COCH-ARM / FISHERS	P=0.183	P=0.012N*	P=0.309N	P=0.500
MAX-ISO-POLY-3	P=0.098	P=0.007N**	P=0.230N	P=0.374

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney: Papilla Necrosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/47 (0%)	0/48 (0%)	0/49 (0%)
POLY-3 RATE (b)	0/45.85	0/42.86	0/44.27	0/43.34
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Kidney: Renal Tubule Necrosis				
LESION RATES				
OVERALL (a)	2/49 (4%)	3/47 (6%)	1/48 (2%)	2/49 (4%)
POLY-3 RATE (b)	2/46.36	3/43.12	1/44.34	2/44.69
POLY-3 PERCENT (g)	4.3%	7%	2.3%	4.5%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	639	685	711	494
STATISTICAL TESTS				
POLY 3	P=0.507N	P=0.467	P=0.515N	P=0.681
POLY 1.5	P=0.501N	P=0.473	P=0.512N	P=0.687
POLY 6	P=0.517N	P=0.460	P=0.520N	P=0.670
COCH-ARM / FISHERS	P=0.495N	P=0.480	P=0.508N	P=0.691N
MAX-ISO-POLY-3	P=0.493N	P=0.300	P=0.297N	P=0.485

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Angiectasis				
LESION RATES				
OVERALL (a)	3/49 (6%)	3/50 (6%)	6/50 (12%)	5/50 (10%)
POLY-3 RATE (b)	3/45.85	3/44.41	6/45.95	5/44.40
POLY-3 PERCENT (g)	6.5%	6.8%	13.1%	11.3%
TERMINAL (d)	3/38 (8%)	3/32 (9%)	4/35 (11%)	4/33 (12%)
FIRST INCIDENCE	729 (T)	729 (T)	620	647
STATISTICAL TESTS				
POLY 3	P=0.219	P=0.648	P=0.243	P=0.339
POLY 1.5	P=0.230	P=0.657	P=0.247	P=0.352
POLY 6	P=0.205	P=0.637	P=0.240	P=0.322
COCH-ARM / FISHERS	P=0.241	P=0.651N	P=0.254	P=0.369
MAX-ISO-POLY-3	P=0.298	P=0.484	P=0.148	P=0.222

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Basophilic Focus				
LESION RATES				
OVERALL (a)	4/49 (8%)	2/50 (4%)	1/50 (2%)	6/50 (12%)
POLY-3 RATE (b)	4/45.85	2/44.60	1/45.40	6/45.35
POLY-3 PERCENT (g)	8.7%	4.5%	2.2%	13.2%
TERMINAL (d)	4/38 (11%)	0/32 (0%)	1/35 (3%)	3/33 (9%)
FIRST INCIDENCE	729 (T)	700	729 (T)	494
STATISTICAL TESTS				
POLY 3	P=0.207	P=0.350N	P=0.182N	P=0.363
POLY 1.5	P=0.209	P=0.341N	P=0.178N	P=0.372
POLY 6	P=0.203	P=0.359N	P=0.186N	P=0.350
COCH-ARM / FISHERS	P=0.211	P=0.329N	P=0.175N	P=0.383
MAX-ISO-POLY-3	P=0.106	P=0.215N	P=0.088N	P=0.249

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Clear Cell Focus				
LESION RATES				
OVERALL (a)	3/49 (6%)	2/50 (4%)	6/50 (12%)	0/50 (0%)
POLY-3 RATE (b)	3/45.85	2/44.41	6/46.95	0/44.10
POLY-3 PERCENT (g)	6.5%	4.5%	12.8%	0%
TERMINAL (d)	3/38 (8%)	2/32 (6%)	4/35 (11%)	0/33 (0%)
FIRST INCIDENCE	729 (T)	729 (T)	309	---
STATISTICAL TESTS				
POLY 3	P=0.199N	P=0.515N	P=0.254	P=0.126N
POLY 1.5	P=0.189N	P=0.505N	P=0.255	P=0.121N
POLY 6	P=0.214N	P=0.525N	P=0.250	P=0.133N
COCH-ARM / FISHERS	P=0.181N	P=0.490N	P=0.254	P=0.117N
MAX-ISO-POLY-3	P=0.091N	P=0.340N	P=0.158	P=0.045N*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Eosinophilic Focus				
LESION RATES				
OVERALL (a)	11/49 (22%)	10/50 (20%)	14/50 (28%)	15/50 (30%)
POLY-3 RATE (b)	11/45.85	10/44.77	14/45.40	15/45.00
POLY-3 PERCENT (g)	24%	22.3%	30.8%	33.3%
TERMINAL (d)	11/38 (29%)	9/32 (28%)	14/35 (40%)	11/33 (33%)
FIRST INCIDENCE	729 (T)	628	729 (T)	632
STATISTICAL TESTS				
POLY 3	P=0.134	P=0.525N	P=0.309	P=0.225
POLY 1.5	P=0.145	P=0.506N	P=0.323	P=0.243
POLY 6	P=0.121	P=0.544N	P=0.292	P=0.205
COCH-ARM / FISHERS	P=0.158	P=0.479N	P=0.343	P=0.266
MAX-ISO-POLY-3	P=0.215	P=0.425N	P=0.234	P=0.165

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Fatty Change				
LESION RATES				
OVERALL (a)	0/49 (0%)	4/50 (8%)	1/50 (2%)	2/50 (4%)
POLY-3 RATE (b)	0/45.85	4/45.63	1/45.63	2/44.71
POLY-3 PERCENT (g)	0%	8.8%	2.2%	4.5%
TERMINAL (d)	0/38 (0%)	1/32 (3%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	---	533	669	533
STATISTICAL TESTS				
POLY 3	P=0.403	P=0.060	P=0.499	P=0.232
POLY 1.5	P=0.415	P=0.061	P=0.501	P=0.236
POLY 6	P=0.388	P=0.058	P=0.497	P=0.225
COCH-ARM / FISHERS	P=0.429	P=0.061	P=0.505	P=0.253
MAX-ISO-POLY-3	P=0.165	P=0.020*	P=0.160	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.85	0/44.41	0/45.40	0/44.10
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Mixed Cell Focus				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/50 (0%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	0/45.85	0/44.41	0/45.40	2/44.42
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	641
STATISTICAL TESTS				
POLY 3	P=0.045*	(e)	(e)	P=0.230
POLY 1.5	P=0.045*	(e)	(e)	P=0.235
POLY 6	P=0.044*	(e)	(e)	P=0.223
COCH-ARM / FISHERS	P=0.047*	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Necrosis				
LESION RATES				
OVERALL (a)	4/49 (8%)	2/50 (4%)	3/50 (6%)	2/50 (4%)
POLY-3 RATE (b)	4/46.06	2/44.60	3/45.57	2/45.45
POLY-3 PERCENT (g)	8.7%	4.5%	6.6%	4.4%
TERMINAL (d)	3/38 (8%)	0/32 (0%)	1/35 (3%)	0/33 (0%)
FIRST INCIDENCE	674	685	704	494
STATISTICAL TESTS				
POLY 3	P=0.316N	P=0.352N	P=0.506N	P=0.343N
POLY 1.5	P=0.313N	P=0.342N	P=0.499N	P=0.335N
POLY 6	P=0.324N	P=0.363N	P=0.514N	P=0.356N
COCH-ARM / FISHERS	P=0.311N	P=0.329N	P=0.489N	P=0.329N
MAX-ISO-POLY-3	P=0.320N	P=0.217N	P=0.354N	P=0.208N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Liver				
Tension Lipidosis				
LESION RATES				
OVERALL (a)	1/49 (2%)	1/50 (2%)	0/50 (0%)	2/50 (4%)
POLY-3 RATE (b)	1/45.85	1/44.41	0/45.40	2/44.10
POLY-3 PERCENT (g)	2.2%	2.3%	0%	4.5%
TERMINAL (d)	1/38 (3%)	1/32 (3%)	0/35 (0%)	2/33 (6%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.361	P=0.753	P=0.502N	P=0.486
POLY 1.5	P=0.366	P=0.758	P=0.500N	P=0.496
POLY 6	P=0.355	P=0.748	P=0.505N	P=0.474
COCH-ARM / FISHERS	P=0.371	P=0.747N	P=0.495N	P=0.508
MAX-ISO-POLY-3	P=0.272	P=0.490	P=0.162N	P=0.274

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Hemorrhage				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	1/50 (2%)
POLY-3 RATE (b)	0/45.98	0/44.41	0/44.97	1/44.10
POLY-3 PERCENT (g)	0%	0%	0%	2.3%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Mineralization				
LESION RATES				
OVERALL (a)	1/50 (2%)	3/50 (6%)	2/49 (4%)	0/50 (0%)
POLY-3 RATE (b)	1/46.31	3/45.79	2/45.97	0/44.10
POLY-3 PERCENT (g)	2.2%	6.6%	4.4%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	639	508	309	---
STATISTICAL TESTS				
POLY 3	P=0.260N	P=0.301	P=0.497	P=0.510N
POLY 1.5	P=0.251N	P=0.304	P=0.497	P=0.505N
POLY 6	P=0.275N	P=0.297	P=0.495	P=0.517N
COCH-ARM / FISHERS	P=0.243N	P=0.309	P=0.492	P=0.500N
MAX-ISO-POLY-3	P=0.211N	P=0.153	P=0.279	P=0.171N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung Thrombosis				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	0/49 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.98	0/44.41	0/44.97	0/44.10
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Alveolar Epithelium Hyperplasia				
LESION RATES				
OVERALL (a)	2/50 (4%)	4/50 (8%)	3/49 (6%)	8/50 (16%)
POLY-3 RATE (b)	2/45.98	4/45.07	3/44.97	8/44.10
POLY-3 PERCENT (g)	4.4%	8.9%	6.7%	18.1%
TERMINAL (d)	2/38 (5%)	3/32 (9%)	3/35 (9%)	8/33 (24%)
FIRST INCIDENCE	729 (T)	508	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.022*	P=0.328	P=0.490	P=0.038*
POLY 1.5	P=0.024*	P=0.333	P=0.491	P=0.042*
POLY 6	P=0.020*	P=0.321	P=0.487	P=0.033*
COCH-ARM / FISHERS	P=0.027*	P=0.339	P=0.490	P=0.046*
MAX-ISO-POLY-3	P=0.021*	P=0.196	P=0.316	P=0.019*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Alveolus Infiltration Cellular Histiocyte				
LESION RATES				
OVERALL (a)	2/50 (4%)	1/50 (2%)	1/49 (2%)	0/50 (0%)
POLY-3 RATE (b)	2/45.98	1/44.66	1/44.97	0/44.10
POLY-3 PERCENT (g)	4.4%	2.2%	2.2%	0%
TERMINAL (d)	2/38 (5%)	0/32 (0%)	1/35 (3%)	0/33 (0%)
FIRST INCIDENCE	729 (T)	662	729 (T)	---
STATISTICAL TESTS				
POLY 3	P=0.158N	P=0.510N	P=0.508N	P=0.247N
POLY 1.5	P=0.156N	P=0.505N	P=0.507N	P=0.242N
POLY 6	P=0.161N	P=0.516N	P=0.510N	P=0.254N
COCH-ARM / FISHERS	P=0.154N	P=0.500N	P=0.508N	P=0.247N
MAX-ISO-POLY-3	P=0.137N	P=0.292N	P=0.288N	P=0.085N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Lung: Bronchiole Hyperplasia				
LESION RATES				
OVERALL (a)	0/50 (0%)	0/50 (0%)	3/49 (6%)	1/50 (2%)
POLY-3 RATE (b)	0/45.98	0/44.41	3/45.50	1/44.15
POLY-3 PERCENT (g)	0%	0%	6.6%	2.3%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	1/35 (3%)	0/33 (0%)
FIRST INCIDENCE	---	---	647	716
STATISTICAL TESTS				
POLY 3	P=0.230	(e)	P=0.117	P=0.492
POLY 1.5	P=0.239	(e)	P=0.116	P=0.496
POLY 6	P=0.218	(e)	P=0.117	P=0.485
COCH-ARM / FISHERS	P=0.247	(e)	P=0.117	P=0.500
MAX-ISO-POLY-3	P=0.124	(e)	P=0.037*	P=0.158

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Mesentery: Fat Necrosis				
LESION RATES				
OVERALL (a)	7/8 (88%)	14/16 (88%)	13/16 (81%)	8/9 (89%)
POLY-3 RATE (b)	7/7.67	14/15.83	13/15.44	8/8.51
POLY-3 PERCENT (g)	91.2%	88.4%	84.2%	94%
TERMINAL (d)	5/5 (100%)	9/10 (90%)	10/11 (91%)	6/6 (100%)
FIRST INCIDENCE	643	662	647	586
STATISTICAL TESTS				
POLY 3	P=0.570	P=0.698N	P=0.576N	P=0.810
POLY 1.5	P=0.592	P=0.716N	P=0.575N	P=0.766
POLY 6	P=0.546	P=0.666N	P=0.576N	P=0.916
COCH-ARM / FISHERS	P=0.625	P=0.723	P=0.593N	P=0.735
MAX-ISO-POLY-3	P=0.528	P=0.427N	P=0.335N	P=0.399

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose Inflammation				
LESION RATES				
OVERALL (a)	1/49 (2%)	0/44 (0%)	0/49 (0%)	1/47 (2%)
POLY-3 RATE (b)	1/46.04	0/41.04	0/44.97	1/41.64
POLY-3 PERCENT (g)	2.2%	0%	0%	2.4%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	680	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose: Olfactory Epithelium Atrophy				
LESION RATES				
OVERALL (a)	1/49 (2%)	2/44 (5%)	2/49 (4%)	7/47 (15%)
POLY-3 RATE (b)	1/46.08	2/41.04	2/45.20	7/42.20
POLY-3 PERCENT (g)	2.2%	4.9%	4.4%	16.6%
TERMINAL (d)	0/38 (0%)	2/32 (6%)	1/35 (3%)	5/33 (15%)
FIRST INCIDENCE	669	729 (T)	669	641
STATISTICAL TESTS				
POLY 3	P=0.006**	P=0.460	P=0.493	P=0.021*
POLY 1.5	P=0.006**	P=0.462	P=0.496	P=0.023*
POLY 6	P=0.005**	P=0.456	P=0.490	P=0.019*
COCH-ARM / FISHERS	P=0.008**	P=0.459	P=0.500	P=0.026*
MAX-ISO-POLY-3	P=0.007**	P=0.253	P=0.277	P=0.010**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Nose: Olfactory Epithelium Metaplasia Respiratory				
LESION RATES				
OVERALL (a)	2/49 (4%)	2/44 (5%)	7/49 (14%)	14/47 (30%)
POLY-3 RATE (b)	2/46.29	2/41.04	7/45.32	14/43.72
POLY-3 PERCENT (g)	4.3%	4.9%	15.5%	32%
TERMINAL (d)	0/38 (0%)	2/32 (6%)	5/35 (14%)	8/33 (24%)
FIRST INCIDENCE	669	729 (T)	647	533
STATISTICAL TESTS				
POLY 3	P<0.001**	P=0.650	P=0.074	P<0.001**
POLY 1.5	P<0.001**	P=0.653	P=0.076	P<0.001**
POLY 6	P<0.001**	P=0.645	P=0.071	P<0.001**
COCH-ARM / FISHERS	P<0.001**	P=0.650	P=0.080	P<0.001**
MAX-ISO-POLY-3	P<0.001**	P=0.451	P=0.037*	P<0.001**

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l

Nose: Respiratory Epithelium
Hyperplasia

LESION RATES

OVERALL (a)	7/49 (14%)	2/44 (5%)	6/49 (12%)	13/47 (28%)
POLY-3 RATE (b)	7/46.18	2/41.15	6/45.14	13/42.40
POLY-3 PERCENT (g)	15.2%	4.9%	13.3%	30.7%
TERMINAL (d)	5/38 (13%)	1/32 (3%)	5/35 (14%)	10/33 (30%)
FIRST INCIDENCE	674	700	686	612

STATISTICAL TESTS

POLY 3	P=0.009**	P=0.109N	P=0.518N	P=0.066
POLY 1.5	P=0.010**	P=0.108N	P=0.511N	P=0.074
POLY 6	P=0.008**	P=0.111N	P=0.527N	P=0.057
COCH-ARM / FISHERS	P=0.013*	P=0.107N	P=0.500N	P=0.086
MAX-ISO-POLY-3	P=0.007**	P=0.061N	P=0.399N	P=0.043*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Ovary Cyst				
LESION RATES				
OVERALL (a)	5/49 (10%)	5/48 (10%)	5/48 (10%)	4/47 (9%)
POLY-3 RATE (b)	5/45.86	5/43.93	5/44.36	4/42.10
POLY-3 PERCENT (g)	10.9%	11.4%	11.3%	9.5%
TERMINAL (d)	4/38 (11%)	5/32 (16%)	5/35 (14%)	4/33 (12%)
FIRST INCIDENCE	726	729 (T)	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.470N	P=0.603	P=0.609	P=0.553N
POLY 1.5	P=0.459N	P=0.610	P=0.612	P=0.541N
POLY 6	P=0.485N	P=0.593	P=0.607	P=0.570N
COCH-ARM / FISHERS	P=0.444N	P=0.617	P=0.617	P=0.527N
MAX-ISO-POLY-3	P=0.628N	P=0.471	P=0.477	P=0.415N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Ovary Thrombosis				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/48 (0%)	2/48 (4%)	4/47 (9%)
POLY-3 RATE (b)	0/45.85	0/43.93	2/44.36	4/42.39
POLY-3 PERCENT (g)	0%	0%	4.5%	9.4%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	2/35 (6%)	3/33 (9%)
FIRST INCIDENCE	---	---	729 (T)	648
STATISTICAL TESTS				
POLY 3	P=0.006**	(e)	P=0.230	P=0.051
POLY 1.5	P=0.007**	(e)	P=0.231	P=0.053
POLY 6	P=0.006**	(e)	P=0.229	P=0.048*
COCH-ARM / FISHERS	P=0.008**	(e)	P=0.242	P=0.054
MAX-ISO-POLY-3	P=0.010**	(e)	P=0.075	P=0.018*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Pancreas				
Atrophy				
LESION RATES				
OVERALL (a)	2/48 (4%)	0/42 (0%)	2/46 (4%)	1/45 (2%)
POLY-3 RATE (b)	2/45.74	0/39.44	2/43.22	1/40.47
POLY-3 PERCENT (g)	4.4%	0%	4.6%	2.5%
TERMINAL (d)	2/38 (5%)	0/32 (0%)	2/35 (6%)	1/33 (3%)
FIRST INCIDENCE	729 (T)	---	729 (T)	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.553N	P=0.271N	P=0.673	P=0.543N
POLY 1.5	P=0.548N	P=0.270N	P=0.674	P=0.535N
POLY 6	P=0.559N	P=0.271N	P=0.674	P=0.550N
COCH-ARM / FISHERS	P=0.540N	P=0.282N	P=0.675	P=0.524N
MAX-ISO-POLY-3	P=0.492N	P=0.101N	P=0.476	P=0.324N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Parathyroid Gland Hyperplasia				
LESION RATES				
OVERALL (a)	0/38 (0%)	0/34 (0%)	2/40 (5%)	0/41 (0%)
POLY-3 RATE (b)	0/35.17	0/31.17	2/37.69	0/37.05
POLY-3 PERCENT (g)	0%	0%	5.3%	0%
TERMINAL (d)	0/28 (0%)	0/23 (0%)	1/30 (3%)	0/28 (0%)
FIRST INCIDENCE	---	---	704	---
STATISTICAL TESTS				
POLY 3	P=0.606	(e)	P=0.252	(e)
POLY 1.5	P=0.613	(e)	P=0.251	(e)
POLY 6	P=0.595	(e)	P=0.253	(e)
COCH-ARM / FISHERS	P=0.618	(e)	P=0.260	(e)
MAX-ISO-POLY-3	P=0.273	(e)	P=0.088	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Pituitary Gland: Pars Distalis Angiectasis				
LESION RATES				
OVERALL (a)	3/50 (6%)	1/46 (2%)	0/47 (0%)	1/46 (2%)
POLY-3 RATE (b)	3/45.98	1/41.30	0/43.36	1/40.42
POLY-3 PERCENT (g)	6.5%	2.4%	0%	2.5%
TERMINAL (d)	3/38 (8%)	1/31 (3%)	0/35 (0%)	1/30 (3%)
FIRST INCIDENCE	729 (T)	729 (T)	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.215N	P=0.344N	P=0.129N	P=0.353N
POLY 1.5	P=0.215N	P=0.340N	P=0.130N	P=0.344N
POLY 6	P=0.215N	P=0.349N	P=0.129N	P=0.366N
COCH-ARM / FISHERS	P=0.216N	P=0.341N	P=0.133N	P=0.341N
MAX-ISO-POLY-3	P=0.127N	P=0.189N	P=0.045N*	P=0.197N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l

Pituitary Gland: Pars Distalis
Hyperplasia

LESION RATES

OVERALL (a)	8/50 (16%)	14/46 (30%)	13/47 (28%)	7/46 (15%)
POLY-3 RATE (b)	8/46.21	14/42.02	13/43.76	7/41.08
POLY-3 PERCENT (g)	17.3%	33.3%	29.7%	17%
TERMINAL (d)	7/38 (18%)	11/31 (36%)	11/35 (31%)	6/30 (20%)
FIRST INCIDENCE	668	508	647	509

STATISTICAL TESTS

POLY 3	P=0.399N	P=0.066	P=0.126	P=0.598N
POLY 1.5	P=0.376N	P=0.070	P=0.126	P=0.582N
POLY 6	P=0.437N	P=0.061	P=0.125	P=0.599
COCH-ARM / FISHERS	P=0.362N	P=0.075	P=0.126	P=0.571N
MAX-ISO-POLY-3	P=0.255	P=0.043*	P=0.084	P=0.486N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Skin				
Inflammation Chronic				
<hr/>				
LESION RATES				
OVERALL (a)	0/50 (0%)	2/50 (4%)	0/50 (0%)	0/50 (0%)
POLY-3 RATE (b)	0/45.98	2/44.41	0/45.40	0/44.10
POLY-3 PERCENT (g)	0%	4.5%	0%	0%
TERMINAL (d)	0/38 (0%)	2/32 (6%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	729 (T)	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	P=0.416N	P=0.229	(e)	(e)
POLY 1.5	P=0.410N	P=0.233	(e)	(e)
POLY 6	P=0.425N	P=0.225	(e)	(e)
COCH-ARM / FISHERS	P=0.405N	P=0.247	(e)	(e)
MAX-ISO-POLY-3	P=0.261N	P=0.076	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
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 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Spleen				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL (a)	4/46 (9%)	3/42 (7%)	5/45 (11%)	1/46 (2%)
POLY-3 RATE (b)	4/44.89	3/40.11	5/42.06	1/42.49
POLY-3 PERCENT (g)	8.9%	7.5%	11.9%	2.4%
TERMINAL (d)	1/38 (3%)	1/32 (3%)	4/35 (11%)	0/33 (0%)
FIRST INCIDENCE	674	588	704	509
STATISTICAL TESTS				
POLY 3	P=0.193N	P=0.561N	P=0.459	P=0.196N
POLY 1.5	P=0.183N	P=0.557N	P=0.468	P=0.188N
POLY 6	P=0.207N	P=0.567N	P=0.450	P=0.206N
COCH-ARM / FISHERS	P=0.170N	P=0.551N	P=0.486	P=0.181N
MAX-ISO-POLY-3	P=0.180N	P=0.407N	P=0.330	P=0.100N

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
beta-Picoline
CAS Number: 108-99-6

Date Report Requested: 05/27/2011
Time Report Requested: 09:52:36
First Dose M/F: 11/09/04 / 11/08/04
Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Spleen				
Hyperplasia Lymphoid				
LESION RATES				
OVERALL (a)	0/46 (0%)	0/42 (0%)	0/45 (0%)	1/46 (2%)
POLY-3 RATE (b)	0/44.38	0/39.46	0/41.96	1/41.83
POLY-3 PERCENT (g)	0%	0%	0%	2.4%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	1/33 (3%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Forestomach Hyperplasia				
LESION RATES				
OVERALL (a)	0/47 (0%)	1/43 (2%)	3/45 (7%)	3/47 (6%)
POLY-3 RATE (b)	0/44.24	1/39.87	3/42.91	3/43.31
POLY-3 PERCENT (g)	0%	2.5%	7%	6.9%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/34 (0%)	0/33 (0%)
FIRST INCIDENCE	---	533	522	494
STATISTICAL TESTS				
POLY 3	P=0.069	P=0.479	P=0.113	P=0.115
POLY 1.5	P=0.071	P=0.481	P=0.112	P=0.117
POLY 6	P=0.066	P=0.478	P=0.115	P=0.112
COCH-ARM / FISHERS	P=0.073	P=0.478	P=0.113	P=0.121
MAX-ISO-POLY-3	P=0.082	P=0.153	P=0.036*	P=0.038*

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Forestomach Ulcer				
LESION RATES				
OVERALL (a)	0/47 (0%)	1/43 (2%)	1/45 (2%)	0/47 (0%)
POLY-3 RATE (b)	0/44.24	1/39.37	1/42.21	0/42.03
POLY-3 PERCENT (g)	0%	2.5%	2.4%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/34 (0%)	0/33 (0%)
FIRST INCIDENCE	---	700	647	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
 CAS Number: 108-99-6

Date Report Requested: 05/27/2011
 Time Report Requested: 09:52:36
 First Dose M/F: 11/09/04 / 11/08/04
 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Stomach, Glandular Mineralization				
LESION RATES				
OVERALL (a)	2/45 (4%)	2/39 (5%)	1/41 (2%)	0/41 (0%)
POLY-3 RATE (b)	2/44.22	2/38.08	1/38.61	0/37.46
POLY-3 PERCENT (g)	4.5%	5.3%	2.6%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/34 (0%)	0/33 (0%)
FIRST INCIDENCE	598	533	711	---
STATISTICAL TESTS				
POLY 3	P=0.153N	P=0.639	P=0.547N	P=0.275N
POLY 1.5	P=0.147N	P=0.640	P=0.543N	P=0.268N
POLY 6	P=0.158N	P=0.639	P=0.550N	P=0.283N
COCH-ARM / FISHERS	P=0.138N	P=0.636	P=0.535N	P=0.271N
MAX-ISO-POLY-3	P=0.193N	P=0.440	P=0.328N	P=0.107N

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

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STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
<hr/>				
Stomach, Glandular Ulcer				
<hr/>				
LESION RATES				
OVERALL (a)	0/45 (0%)	0/39 (0%)	0/41 (0%)	0/41 (0%)
POLY-3 RATE (b)	0/43.45	0/37.36	0/38.54	0/37.46
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/34 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	---
<hr/>				
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Thyroid Gland Cyst				
LESION RATES				
OVERALL (a)	0/48 (0%)	0/45 (0%)	0/45 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/45.74	0/40.99	0/42.05	2/43.15
POLY-3 PERCENT (g)	0%	0%	0%	4.6%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	2/33 (6%)
FIRST INCIDENCE	---	---	---	729 (T)
STATISTICAL TESTS				
POLY 3	P=0.047*	(e)	(e)	P=0.224
POLY 1.5	P=0.049*	(e)	(e)	P=0.232
POLY 6	P=0.046*	(e)	(e)	P=0.216
COCH-ARM / FISHERS	P=0.051	(e)	(e)	P=0.253
MAX-ISO-POLY-3	P=0.037*	(e)	(e)	P=0.077

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
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Date Report Requested: 05/27/2011
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Tooth Dysplasia				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/1 (0%)	2/2 (100%)	9/9 (100%)
POLY-3 RATE (b)	0/0.00	0/0.39	2/2.00	9/9.00
POLY-3 PERCENT (g)	0%	0%	100%	100%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	2/2 (100%)	6/6 (100%)
FIRST INCIDENCE	---	---	729 (T)	664
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	(e)
POLY 1.5	(e)	(e)	(e)	(e)
POLY 6	(e)	(e)	(e)	(e)
COCH-ARM / FISHERS	P=0.077	(e)	(e)	(e)
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS
 beta-Picoline
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Urethra Inflammation				
LESION RATES				
OVERALL (a)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
POLY-3 RATE (b)	0/0.00	0/0.00	0/0.00	0/0.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/0 (0%)	0/0 (0%)	0/0 (0%)	0/0 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)

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

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

beta-Picoline
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 Lab: BAT

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
 TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Uterus				
Inflammation Acute				
LESION RATES				
OVERALL (a)	0/49 (0%)	0/47 (0%)	0/49 (0%)	2/49 (4%)
POLY-3 RATE (b)	0/45.85	0/43.49	0/44.97	2/44.59
POLY-3 PERCENT (g)	0%	0%	0%	4.5%
TERMINAL (d)	0/38 (0%)	0/32 (0%)	0/35 (0%)	0/33 (0%)
FIRST INCIDENCE	---	---	---	494
STATISTICAL TESTS				
POLY 3	P=0.046*	(e)	(e)	P=0.231
POLY 1.5	P=0.046*	(e)	(e)	P=0.234
POLY 6	P=0.045*	(e)	(e)	P=0.227
COCH-ARM / FISHERS	P=0.048*	(e)	(e)	P=0.247
MAX-ISO-POLY-3	P=0.033*	(e)	(e)	P=0.076

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

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beta-Picoline
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**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN MICE(B6C3F1)
TERMINAL SACRIFICE AT 105 WEEKS**

DOSE	Females			
	0 mg/l	312.5 mg/l	625 mg/l	1250 mg/l
Uterus: Endometrium Hyperplasia Cystic				
LESION RATES				
OVERALL (a)	33/49 (67%)	29/47 (62%)	33/49 (67%)	37/49 (76%)
POLY-3 RATE (b)	33/46.54	29/44.26	33/46.07	37/45.11
POLY-3 PERCENT (g)	70.9%	65.5%	71.6%	82%
TERMINAL (d)	29/38 (76%)	23/32 (72%)	27/35 (77%)	29/33 (88%)
FIRST INCIDENCE	639	672	617	612
STATISTICAL TESTS				
POLY 3	P=0.079	P=0.369N	P=0.562	P=0.144
POLY 1.5	P=0.106	P=0.360N	P=0.569	P=0.189
POLY 6	P=0.056	P=0.383N	P=0.559	P=0.102
COCH-ARM / FISHERS	P=0.150	P=0.358N	P=0.585N	P=0.251
MAX-ISO-POLY-3	P=0.102	P=0.289N	P=0.468	P=0.097

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LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

*** END OF REPORT ***