

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>C Number:</b>	C56508
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	11/03/1986

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 6		
Lymph Node	Mesenteric	Angiectasis	Minimal
	Mesenteric	Hematopoietic Cell Proliferation	Moderate
	Inguinal	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 3		
Note: HEMA CELL PROL	TGLs = 5		
Note: ANGIECTASIS	TGLs = 5		
Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Suppurative, Moderate
Note: DEGEN	TGLs = 2		
Note: INFLAMMATION	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Sarcoma	

Note: SARCOMA TGLs = 1,2  
Note: FIBROMA TGLs = 1

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**PRIMARY CAUSE OF DEATH**

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Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Hyperplasia Nephropathy	Lymphoid, Minimal Mild
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 5		
Lung		Adenomatosis Alveolar/Bronchiolar Carcinoma Inflammation	Mild Focal, Mild
Note: INFLAMMATION	TGLs = 8		
Note: ADENOMATOSIS	TGLs = 8		
Lymph Node	Mesenteric Inguinal	Angiectasis Hyperplasia	Minimal Minimal
Note: HYPERPLASIA	TGLs = 3		
Note: ANGIECTASIS	TGLs = 7		
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4		
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 1

**TRT#:** 5

**DOSE:** 0.01%

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Brain	Mineralization	Moderate
Kidney	Nephropathy	Minimal
Lung	Alveolar/Bronchiolar Carcinoma	
Spleen	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 2		
Tooth	Incisor	Dysplasia
		Marked

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex, Subcapsular	Hyperplasia	Focal, Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Bone Note: OSTEOMA TGLs = 4	Pelvis	Osteoma	
Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Hyperplasia	Macrophage, Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 5			
Note: INFLAMMATION TGLs = 5			
Skin		Inflammation	Chronic, Mild
	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 4			
Note: INFLAMMATION TGLs = 1			
Thyroid Gland		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Nose	Pancreas	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney		Hyperplasia	Lymphoid, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 2			
[ Alveolar/Bronchiolar Carcinoma TGLS = 3 ]			
Lymph Node	Mesenteric	Angiectasis	Minimal
[ Angiectasis TGLS = 1 ]			
Tooth	Incisor	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

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**MISSING**

Intestine Small - Duodenum	Mammary Gland
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**OBSERVATIONS**

Brain		Mineralization	Minimal
Lung		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Pigmentation	Minimal
Note: PIGMENT	TGLs = 1		
Thyroid Gland	Follicular Cel	Hyperplasia Inflammation	Minimal Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Duodenum	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Harderian Gland		Adenoma	
Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Nose	Nasolacrim Dct	Foreign Body	Minimal
Seminal Vesicle		Atrophy	Mild

Note: ATROPHY TGLs = 1

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Harderian Gland		Hyperplasia	Focal, Mild
Kidney	Renal Tubule	Hyperplasia	Focal, Minimal
		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Lung		Hyperplasia	Lymphoid, Minimal
		Inflammation	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Brain	Meninges	Hyperplasia	Lymphoid, Mild
Kidney		Hyperplasia	Lymphoid, Mild
		Mineralization	Mild
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1			
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Note: INFLAMMATION TGLs = 2			
Note: ADENOMATOSIS TGLs = 2			
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

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**MISSING**

Gallbladder	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Brain		Mineralization	Moderate
Harderian Gland	Duct	Dilatation	Focal, Mild
Nose	Nasolacrim Dct	Inflammation	Minimal
Testes	Artery	Mineralization	Mild
Thyroid Gland		Degeneration	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 2		
Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
		Hyperplasia	Macrophage, Mild
		Inflammation	Focal, Mild
Stomach	Forestomach	Squamous Cell Papilloma	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
Lung		Inflammation	Focal, Mild
	Alveolar Epith	Metaplasia	Focal, Mild
Note: INFLAMMATION	TGLs = 1		
Thyroid Gland		Degeneration	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland		
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OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
		Nephropathy	Mild
Liver		Hepatocellular Carcinoma	
		Mineralization	Focal, Moderate
		Necrosis	Focal, Moderate
		Vacuolization Cytoplasmic	Minimal
Note: HEPATOCLR CARC TGLs = 1			
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Minimal
Stomach	Forestomach	Hyperplasia	Papillary, Minimal
Tooth	Incisor	Dysplasia	Mild
	Incisor	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Inguinal	Hyperplasia	Moderate
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 1			
Tooth	Incisor	Dysplasia	Moderate
	Incisor	Inflammation	Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

**MISSING**

Gallbladder	Intestine Large - Rectum	Mammary Gland
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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 4		
Nose	Mucosa	Inflammation	Suppurative, Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC	TGLs = 3		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Moderate

<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 5

SEX: Male

DAY ON TEST: 711

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Spinal Cord	Stomach - Forestomach
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Harderian Gland	Duct	Dilatation	Focal, Mild
Kidney		Nephropathy	Minimal
Liver		Necrosis	Focal, Mild
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 5,6			
Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
Note: CYTOPLAS ALTER TGLs = 7			
Skin		Inflammation	Chronic, Minimal
	Subcut Tiss	Sarcoma	
Note: INFLAMMATION TGLs = 1			
Note: SARCOMA TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4			
Stomach	Glandular	Degeneration	Hyaline, Mild
	Glandular	Mineralization	Mild
Thyroid Gland		Degeneration	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 6

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 711

**DOSE:** 0.01%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Liver		Cyst	
Note: CYST	TGLs = 6		
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Inguinal	Inflammation	Chronic, Moderate
Peripheral Nerve	Sciatic	Hyperplasia	Lymphoid, Minimal
Skin		Exudate	Moderate
		Fibrosis	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Multiple, Moderate
Note: INFLAMMATION	TGLs = 5		
Note: FIBROSIS	TGLs = 2,3		
Note: ULCER	TGLs = 1,2,3		
[ Ulcer TGLS = 1 ]			

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Intestine Large - Rectum	Mammary Gland	Thymus
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**OBSERVATIONS**

Brain		Mineralization	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2			
Nose	Mucosa	Inflammation	Suppurative, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 3		
Lung		Sarcoma	Metastatic (Skin)
Note: SARCOMA	TGLs = 8		
Lymph Node	Mesenteric	Angiectasis	Minimal
	Inguinal, Lumbar	Sarcoma	Metastatic (Skin)
Note: SARCOMA	TGLs = 6,9		
Note: ANGIECTASIS	TGLs = 9		
Peripheral Nerve	Sciatic	Sarcoma	Metastatic (Skin)
Skin	Lip	Inflammation	Suppurative, Mild
	Abdominal, Axillary, Subcut Tiss	Sarcoma	Metastatic (Skin), Multiple (Skin)
	Hindlimb, Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 2		
Note: SARCOMA	TGLs = 1,4		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 7		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 7

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 0.01%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 666

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain	Mineralization	Mild
Kidney	Nephropathy	Minimal
Lung	Adenomatosis	Minimal
	Inflammation	Focal, Minimal
Pancreas	Atrophy	Focal, Minimal
Preputial Gland	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4		
Skin	Subcut Tiss	
Note: ULCER TGLs = 1		
Note: FIBROSARC TGLs = 2,3		
Spleen	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5		
Thyroid Gland	Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

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**MISSING**

Intestine Large - Colon	Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Nose	Mucosa	Inflammation	Suppurative, Moderate
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Gallbladder	Mammary Gland		
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**OBSERVATIONS**

Kidney		Mineralization	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS    TGLs = 2			
Preputial Gland		Degeneration	Cystic, Minimal
Note: DEGEN        TGLs = 1			
Stomach	Glandular	Mineralization	Mild

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<b>PRIMARY CAUSE OF DEATH</b>	-		
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
Nose	Lumen	Exudate	Mild
	Lumen	Foreign Body	Minimal
Parathyroid Gland		Cyst	
Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: ULCER TGLs = 2			
Note: INFLAMMATION TGLs = 2			
Stomach	Forestomach	Hyperplasia	Papillary, Mild
	Forestomach	Inflammation	Focal, Mild

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Lung	Adenomatosis	Minimal
	Inflammation	Focal, Minimal
Skin	Inflammation	Chronic, Minimal

Note: INFLAMMATION TGLs = 1

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 5

SEX: Male

DAY ON TEST: 645

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Hydronephrosis	Moderate
		Pigmentation	Moderate
Liver		Atrophy	Mild
		Fibrosis	Focal, Mild
		Pigmentation	Mild
Note: ATROPHY	TGLs = 2		
Note: PIGMENT	TGLs = 2		
Note: FIBROSIS	TGLs = 2		
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 5		
Thyroid Gland		Degeneration	Cystic, Minimal
		Inflammation	Focal, Mild
Ureter	Transit Epithe	Carcinoma	
Note: CARCINOMA	TGLs = 3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 9

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 0.01%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 686

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain	Mineralization	Minimal
Kidney	Nephropathy	Minimal
Liver	Necrosis	Focal, Minimal
Note: NECROSIS TGLs = 4		
Lung	Hemorrhage	Focal, Mild
Note: HEMORRHAGE TGLs = 6		
Skin	Sarcoma	
Note: SARCOMA TGLs = 2		
Spleen	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5		
Thyroid Gland	Degeneration	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 10	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Brain		Mineralization	Minimal
Heart		Inflammation	Focal, Minimal
Kidney		Nephropathy	Minimal
Nose	Mucosa	Inflammation	Suppurative, Moderate
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 3		
Tooth	Incisor	Dysplasia	Moderate
	Incisor	Inflammation	Suppurative, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Harderian Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Testes

Bone Marrow  
Gallbladder  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

**MISSING**

Mammary Gland

Parathyroid Gland

Thyroid Gland

**OBSERVATIONS**

Liver  
Note: HEPATOCLR CARC TGLs = 3

Hepatocellular Carcinoma

Lung

Adenomatosis

Mild

Skin

Inflammation

Focal, Mild

Fibrosis

Minimal

Inflammation

Chronic, Mild

Note: FIBROSIS TGLs = 2

Note: INFLAMMATION TGLs = 1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 551

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Ileum	Lymph Node - Mesenteric	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain		Mineralization	Minimal
Liver	Centrilobular	Necrosis	Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 5			
Penis		Foreign Body	Moderate
		Inflammation	Chronic, Moderate
		Necrosis	Moderate
Note: FOREIGN BODY TGLs = 4			
Note: NECROSIS TGLs = 4			
Note: INFLAMMATION TGLs = 4			
Prostate		Inflammation	Suppurative, Moderate
Spleen	Red Pulp	Depletion Cellular	Mild
Tooth	Incisor	Dysplasia	Moderate
	Incisor	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 680

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Mild
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS	TGLs = 7,8		
Note: INFLAMMATION	TGLs = 7,8		
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Mild
Note: FIBROSARC	TGLs = 2,3		
Note: INFLAMMATION	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Inflammation	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Note: INFLAMMATION TGLs = 2 [ Inflammation TGLS = 2 ]			
Nose	Lumen	Exudate	Mild
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 1			
Tooth	Incisor	Dysplasia	Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 12	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain	Mineralization	Minimal
Kidney	Nephropathy	Minimal
Parathyroid Gland	Cyst	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Large - Cecum	Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland Note: ADENOMA      TGLs = 1	Cortex, Subcapsular	Adenoma	
Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3			
Nose	Lumen	Exudate	Mild
	Lumen	Foreign Body	Mild
	Mucosa	Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Mild
Note: DEGEN TGLs = 1			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2			
Stomach	Forestomach	Inflammation	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Mild
Lung		Inflammation	Focal, Mild
	Alveolar Epith	Metaplasia	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS TGLs = 5			
Skin	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: ULCER TGLs = 1			
Note: INFLAMMATION TGLs = 1,2			
Note: FIBROMA TGLs = 3,4			
Tooth	Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 13	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

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**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Brain	Mineralization	Mild
Kidney	Mineralization	Minimal
Lung	Adenomatosis	Minimal
	Inflammation	Focal, Minimal
Skin	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1		
Thyroid Gland	Degeneration	Cystic, Mild

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Hemorrhage	Focal, Minimal
		Inflammation	Focal, Mild
Nose	Lumen	Exudate	Mild
	Adventitia	Inflammation	Suppurative, Mild
	Nasolacrim Dct	Inflammation	Minimal
Seminal Vesicle		Dilatation	Moderate
Note: DILATATION	TGLs = 3,4		
Skin	Subcut Tiss	Hemangioma	
		Inflammation	Chronic, Moderate
		Ulcer	Mild
Note: ULCER	TGLs = 1		
Note: INFLAMMATION	TGLs = 1		
Thyroid Gland		Degeneration	Cystic, Minimal
Tooth	Incisor	Dysplasia	Marked
	Incisor	Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 13

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.01%

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 538
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Gallbladder	Thymus
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**OBSERVATIONS**

Kidney		Mineralization	Mild
Prostate		Inflammation	Suppurative, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Glandular	Mineralization	Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Inguinal	Angiectasis	Mild
	Inguinal	Hyperplasia	Moderate
Note: ANGIECTASIS	TGLs = 7		
Note: HYPERPLASIA	TGLs = 7		
Nose	Lumen	Exudate	Mild
	Lumen	Foreign Body	Mild
Preputial Gland		Inflammation	Suppurative, Moderate
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1,2,6		
Note: FIBROSARC	TGLs = 3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 14	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain	Mineralization	Minimal
Kidney	Nephropathy	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Peripheral Nerve  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Spinal Cord  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Trachea

MISSING

Gallbladder                      Mammary Gland

OBSERVATIONS

Brain  
Liver  
    Note: HEPATOCLR ADEN    TGLs = 3  
Parathyroid Gland  
Spleen  
Tooth

Incisor

Mineralization  
Hepatocellular Adenoma  
  
Cyst  
Hemangiosarcoma  
Dysplasia

Mild  
  
  
  
  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Cyst	
	Renal Tubule	Dilatation	Mild
		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN	TGLs = 3		
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS	TGLs = 2		
Tooth	Incisor	Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 1		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain	Mineralization	Mild
Kidney	Mineralization	Minimal
	Nephropathy	Minimal
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 2		
Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Skin	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 618

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 5	Medulla	Pheochromocytoma Benign	
Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Liver Note: HEPATOCLR ADEN TGLs = 2		Hepatocellular Adenoma	
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Skin  Note: ULCER TGLs = 1 Note: FIBROSARC TGLs = 3 Note: INFLAMMATION TGLs = 1	Subcut Tiss	Fibrosarcoma Inflammation Ulcer	Chronic, Mild Mild
Spleen Note: HEMA CELL PROL TGLs = 4		Hematopoietic Cell Proliferation	Moderate
Tooth	Incisor	Dysplasia	Mild
	Incisor	Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 16	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Pituitary Gland	Thymus
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Inguinal	Hyperplasia	Moderate
Skin		Inflammation	Chronic, Moderate

Note: INFLAMMATION TGLs = 1,2

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Brain		Mineralization	Minimal
Intestine Large	Rectum	Dysplasia	Moderate
	Rectum	Inflammation	Chronic, Moderate
	Rectum	Prolapse	Moderate
	Rectum	Ulcer	Moderate
Note: DYSPLASIA TGLs = 3			
Note: PROLAPSE TGLs = 3			
Note: ULCER TGLs = 3			
Note: INFLAMMATION TGLs = 3			
Kidney		Nephropathy	Mild
Lung		Adenomatosis	Mild
		Hyperplasia	Macrophage, Minimal
		Inflammation	Focal, Mild
Note: ADENOMATOSIS TGLs = 4,6,8			
Note: HYPERPLASIA TGLs = 7			
Note: INFLAMMATION TGLs = 4,6,8			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2			
Skin		Inflammation	Chronic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 16

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.01%

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: INFLAMMATION TGLs = 1

Spleen

Hematopoietic Cell Proliferation

Moderate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 623

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3			
Lung		Hepatocellular Carcinoma	Metastatic (Liver)
		Infiltration Cellular	Polymorphnuclr, Mild
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Minimal
Note: FIBROSARC TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 432

DOSE: 0.02%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Lymph Node - Mesenteric	Mammary Gland
Pituitary Gland	Prostate		

OBSERVATIONS

Kidney Note: VACUOLIZ CYTO TGLs = 5	Renal Tubule	Vacuolization Cytoplasmic	Moderate
Lung		Sarcoma	Metastatic (Skin)
Nose	Lumen	Exudate	Mild
Skin Note: ANGIOECTASIS TGLs = 3 Note: SARCOMA TGLs = 1,2	Subcut Tiss Subcut Tiss	Angiectasis Sarcoma	Moderate Multiple
Spleen Note: HEMA CELL PROL TGLs = 4		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Testes

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Stomach - Forestomach  
Trachea

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Kidney  
Lung

Nephropathy  
Adenomatosis  
Inflammation  
Inflammation  
Lipoma  
Ulcer

Minimal  
Minimal  
Focal, Minimal  
Chronic, Moderate  
Moderate

Skin

Subcut Tiss

Note: LIPOMA TGLs = 3  
Note: INFLAMMATION TGLs = 1,2

Thyroid Gland

Follicular Cel

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 619

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Intestine Small - Ileum	Mammary Gland
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OBSERVATIONS

Lymph Node	Mesenteric	Angiectasis	Moderate
	Mesenteric	Hematopoietic Cell Proliferation	Minimal
Note: ANGIECTASIS TGLs = 6 [ Angiectasis TGLS = 6 ]			
Pituitary Gland	Pars Intermed	Cytomegaly	Minimal
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: INFLAMMATION TGLs = 1,2 Note: ULCER TGLs = 1,2 [ Ulcer TGLS = 3 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Tooth	Incisor	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 139 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

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**MISSING**

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Mammary Gland
Nose			

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**OBSERVATIONS**

Lung		Adenomatosis	Mild
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Mild
Prostate		Inflammation	Suppurative, Mild
Skin		Ulcer	Moderate
Note: ULCER	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland		Pigmentation	Minimal

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland	Cortex, Subcapsular	Hyperplasia	Focal, Mild
Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1			
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Tooth	Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
Lymph Node	Axillary	Inflammation	Suppurative, Moderate
	Axillary	Sarcoma	Metastatic (Skin)
Note: SARCOMA TGLs = 2			
Note: INFLAMMATION TGLs = 2			
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 19                      TRT#: 3                      SEX: Male                      DAY ON TEST: 108  
DOSE: 0.02%                      DISP: Natural Death                      HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

**MISSING**

Intestine Small - Duodenum	Intestine Small - Ileum	Lymph Node - Mandibular	Mammary Gland
Nose	Pituitary Gland		

**OBSERVATIONS**

Kidney	Autolysis	Moderate
	Congestion	Mild
[ Autolysis TGLS = 5 ]		
[ Congestion TGLS = 6 ]		
Lung	Adenomatosis	Mild
	Infiltration Cellular	Polymorphnuclr, Mild
	Inflammation	Focal, Mild
Note: INFILTRAT CELL TGLs = 8		
Note: ADENOMATOSIS TGLs = 8		
[ Adenomatosis TGLS = 8 ]		
Skin	Ulcer	Moderate
Note: ULCER TGLs = 1		
Thyroid Gland	Degeneration	Cystic, Minimal
	Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Intestine Large	Rectum	Dysplasia	Moderate
	Rectum	Inflammation	Chronic, Moderate
	Rectum	Prolapse	Moderate
	Rectum	Ulcer	Moderate

Note: INFLAMMATION TGLs = 3

Note: PROLAPSE TGLs = 3

Note: DYSPLASIA TGLs = 3

Note: ULCER TGLs = 3

Kidney		Nephropathy	Minimal
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Liver		Hepatocellular Carcinoma	
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Note: HEPATOCLR CARC TGLs = 2

Lung		Adenomatosis	Mild
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		Inflammation	Focal, Mild
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Skin		Inflammation	Chronic, Moderate
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Note: INFLAMMATION TGLs = 1

Spleen		Hematopoietic Cell Proliferation	Moderate
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PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 20

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** UNTREATD CONTROL

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma Hyperplasia Lymphoma Malignant Mixed	Focal, Minimal
[ Hyperplasia TGLS = 4 ]			
Lymph Node	Bronchial Mandibular Mediastinal Mesenteric	Lymphoma Malignant Mixed Lymphoma Malignant Mixed Lymphoma Malignant Mixed Lymphoma Malignant Mixed Lymphoma Malignant Mixed	
Mesentery		Lymphoma Malignant Mixed	
Seminal Vesicle		Lymphoma Malignant Mixed	
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 1			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2,3			
Urinary Bladder		Lymphoma Malignant Mixed	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Minimal
Kidney		Mineralization	Minimal
Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 3			
Tooth	Molar	Inflammation	Suppurative, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 567 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2		
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Note: INFLAMMATION	TGLs = 4		
Note: ADENOMATOSIS	TGLs = 4		
Pituitary Gland		Cyst	
Spleen	Red Pulp	Depletion Cellular	Moderate
Note: DEPLETION	TGLs = 3		
Thyroid Gland		Degeneration	Cystic, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Hyperplasia	Lymphoid, Minimal
Lung		Adenomatosis	Moderate
		Inflammation	Focal, Moderate
Note: ADENOMATOSIS TGLs = 5 [ Adenomatosis TGLS = 5 ]			
Peripheral Nerve	Sciatic	Hyperplasia	Lymphoid, Minimal
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate
Note: FIBROSARC TGLs = 2 Note: INFLAMMATION TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS	TGLs = 4		
Skin	Subcut Tiss	Fibroma	
		Fibrosis	Moderate
		Inflammation	Chronic, Moderate
Note: FIBROMA	TGLs = 3		
Note: FIBROSIS	TGLs = 2		
Note: INFLAMMATION	TGLs = 1		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Liver		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 2			
Lung		Alveolar/Bronchiolar Adenoma	
[ Alveolar/Bronchiolar Adenoma TGLS = 4 ]			
Lymph Node	Mesenteric	Angiectasis	Minimal
[ Angiectasis TGLS = 3 ]			
Preputial Gland		Degeneration	Cystic, Mild
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1			
[ Inflammation TGLS = 1 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 7	Medulla	Pheochromocytoma Benign	
Kidney		Hyperplasia	Lymphoid, Minimal
Lymph Node Note: HYPERPLASIA TGLs = 5	Inguinal	Hyperplasia	Marked
Nose	Lumen	Exudate	Mild
	Adventitia	Inflammation	Focal, Mild
Pituitary Gland		Cyst	
Preputial Gland Note: CARCINOMA TGLs = 4		Carcinoma	
Skin  Note: ULCER TGLs = 1 Note: FIBROSARC TGLs = 2,3 Note: INFLAMMATION TGLs = 1	Subcut Tiss	Fibrosarcoma	Chronic, Mild
		Inflammation	Minimal
		Ulcer	
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 22

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 22

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0.02%

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Hyperplasia	Macrophage, Mild
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Mineralization	Mild
Note: FIBROMA	TGLs = 1		
Thyroid Gland	Follicular Cel	Carcinoma	
		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 22                      TRT#: 5                      SEX: Male                      DAY ON TEST: 730  
DOSE: 0.01%                      DISP: Terminal Sacrifice                      HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Duodenum	Mammary Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Lung		Hyperplasia	Macrophage, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Mesentery		Hyperplasia	Lymphoid, Minimal
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Peripheral Nerve	Sciatic	Hyperplasia	Lymphoid, Minimal
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Spleen		Hyperplasia	Lymphoid, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3			
Lung		Adenomatosis	Mild
[ Adenomatosis TGLS = 4 ]		Alveolar/Bronchiolar Carcinoma	
Nose	Lumen	Exudate	
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 2			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Skin  
Stomach - Glandular  
Trachea

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Spinal Cord  
Testes  
Urinary Bladder

Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Prostate  
Spleen  
Thymus

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland  
Kidney  
Lung

Cortex

Adenoma  
Nephropathy  
Adenomatosis  
Inflammation

Minimal  
Mild  
Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 3		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 4		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Testes  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Adrenal Gland  
Brain  
Kidney  
Lung  
  
Skin

Medulla  
  
  
Alveolar Epith  
Subcut Tiss

Hyperplasia  
Mineralization  
Inflammation  
Inflammation  
Metaplasia  
Schwannoma Nos

Focal, Minimal  
Mild  
Focal, Minimal  
Focal, Minimal  
Focal, Minimal

[ Schwannoma Nos TGLS = 1 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 680 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Intestine Small	Duodenum, Submucosa	Degeneration	Focal, Mild
Liver		Hemorrhage	Moderate
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC TGLs = 1			
Lung		Infiltration Cellular	Polymorphnuclr, Mild
Stomach	Forestomach	Pigmentation	Focal, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 24                      TRT#: 5                      SEX: Male                      DAY ON TEST: 730  
DOSE: 0.01%                      DISP: Terminal Sacrifice                      HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Penis	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Gallbladder	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Mild
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA      TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 714

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS	TGLs = 6		
Note: INFLAMMATION	TGLs = 6		
Nose	Nasolacrim Dct	Foreign Body	Minimal
Skin	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Moderate
	Subcut Tiss	Sarcoma	
		Ulcer	Moderate
Note: FIBROMA	TGLs = 3		
Note: ULCER	TGLs = 2		
Note: INFLAMMATION	TGLs = 1,2		
Note: SARCOMA	TGLs = 4		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 5		
Thyroid Gland		Degeneration	Cystic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 714

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Ileum	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Harderian Gland	Adenoma	
Kidney	Mineralization	Mild
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 1		
Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Note: INFLAMMATION TGLs = 3		
Note: ADENOMATOSIS TGLs = 3		
Preputial Gland	Degeneration	Cystic, Minimal
Note: DEGEN TGLs = 2		
Thymus	Inflammation	Granulomatous, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 25	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Intestine Small - Ileum	Lymph Node - Mandibular	Mammary Gland	Thymus
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**OBSERVATIONS**

Brain	Mineralization	Mild
Preputial Gland	Degeneration	Cystic, Marked

Note: DEGEN      TGLs = 3

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Hyperplasia Nephropathy	Lymphoid, Minimal Minimal
Preputial Gland		Degeneration Inflammation	Cystic, Moderate Suppurative, Moderate
Note: INFLAMMATION TGLs = 2 Note: DEGEN TGLs = 2			
Skin	Subcut Tiss	Fibroma Inflammation	Chronic, Moderate
Note: FIBROMA TGLs = 2 Note: INFLAMMATION TGLs = 1			
Testes		Angiectasis	Mild
Note: ANGIECTASIS TGLs = 3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Harderian Gland	Duct	Dilatation	Focal, Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Macrophage, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Liver  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Brain  
Kidney  
Lung

Mineralization  
Mineralization  
Adenomatosis  
Inflammation  
Exudate  
Foreign Body  
Angiectasis  
Inflammation

Mild  
Minimal  
Minimal  
Focal, Minimal  
Minimal  
Minimal  
Minimal  
Chronic, Minimal

Nose

Lumen  
Lumen

Skin

Subcut Tiss

Note: INFLAMMATION TGLs = 2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Tooth	Incisor	Dysplasia	Mild
	Incisor	Inflammation	Suppurative, Moderate

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 3

SEX: Male

DAY ON TEST: 480

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 5 [ Adenomatosis TGLS = 5 ]			
Skin		Inflammation	Chronic, Mild
	Subcut Tiss	Schwannoma Nos	
Note: SCHWANNOMA NOS TGLs = 2,3 Note: INFLAMMATION TGLs = 1			
Stomach	Glandular	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Peripheral Nerve

Pituitary Gland

Prostate

Salivary Glands

Spinal Cord

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Kidney

Nephropathy

Minimal

Lung

Adenomatosis

Mild

Skin

Inflammation

Focal, Mild

Inflammation

Chronic, Minimal

Note: INFLAMMATION TGLs = 1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Mild
Brain		Mineralization	Minimal
Kidney		Nephropathy	Minimal
Lung		Hyperplasia	Macrophage, Minimal
		Pigmentation	Minimal
Tooth	Incisor	Dysplasia	Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 2		
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 1		
Tooth	Incisor	Dysplasia	Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3			
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Nose	Lumen	Exudate	Minimal
Seminal Vesicle	Lumen	Crystals	Marked
Note: CRYSTALS TGLs = 4			

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fibrosis	Focal, Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	Multiple
		Necrosis	Focal, Mild
Note: HEPATOCLR CARC	TGLs = 3,4		
Note: HEPATOCLR ADEN	TGLs = 5		
Note: NECROSIS	TGLs = 5		
Note: FIBROSIS	TGLs = 5		
Lung		Inflammation	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
		Sarcoma	Metastatic (Skeletal Muscle)
[ Metaplasia TGLS = 9 ]			
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 7		
Skin		Mineralization	Moderate
	Subcut Tiss	Sarcoma	Multiple
Note: SARCOMA	TGLs = 1,2		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 29

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 653

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: MINERALIZATION TGLs = 2

Spleen

Hematopoietic Cell Proliferation

Moderate

[ Hematopoietic Cell Proliferation TGLS = 8 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Skin	Inflammation	Chronic, Moderate

Note: INFLAMMATION TGLs = 1

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 29	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Gallbladder	Mammary Gland	Thymus
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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION	TGLs = 1		
Stomach	Forestomach	Inflammation	Focal, Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 701

**DOSE:** UNTREATD CONTROL

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland                      Thymus

**OBSERVATIONS**

Kidney	Renal Tubule	Dilatation Hyperplasia Nephropathy	Mild Lymphoid, Minimal Moderate
<p>Note: HYPERPLASIA    TGLs = 4  Note: NEPHROPATHY    TGLs = 4  [ Hyperplasia TGLS = 4 ]</p>			
Liver		Hepatocellular Carcinoma	
<p>Note: HEPATOCLR CARC    TGLs = 6</p>			
Lung		Hepatocellular Carcinoma	Metastatic (Liver), Multiple (Liver)
Lymph Node	Mesenteric	Angiectasis	Moderate
<p>Note: ANGIECTASIS    TGLs = 5</p>			
Mesentery		Hemorrhage	Mild
Skin		Inflammation	Chronic, Minimal
<p>Note: INFLAMMATION    TGLs = 1</p>			

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex, Subcapsular	Adenoma	
Kidney		Mineralization	Mild
		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
Lung	Alveolar Epith	Metaplasia	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Moderate
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 1		
Tooth	Incisor	Dysplasia	Minimal
	Incisor	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Brain	Mineralization	Mild
Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Skin	Inflammation	Chronic, Moderate

Note: INFLAMMATION TGLs = 1

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Brain	Mineralization	Mild
Harderian Gland	Adenoma	
Note: ADENOMA TGLs = 9		
Liver	Hepatocellular Adenoma	
Note: HEPATOCLR ADEN TGLs = 3		
Lung	Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC TGLs = 7		
Preputial Gland	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4		
Skin	Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1	Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Infiltration Cellular	Polymorphnuclr, Minimal
Lymph Node	Axillary	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 4			
Skin	Subcut Tiss	Fibrosarcoma	
Note: FIBROSARC TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Skin		Cyst	Mild
		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 2		
Testes	Artery	Mineralization	Minimal
Tooth	Incisor	Dysplasia	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Intestine Small - Ileum	Mammary Gland
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**OBSERVATIONS**

Brain	Mineralization	Minimal
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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Adrenal Gland	Cortex, Subcapsular	Adenoma	
Harderian Gland		Adenoma	
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Focal, Minimal
Note: ALV BRON ADEN TGLs = 3			
Thyroid Gland	Follicular Cel	Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Stomach	Forestomach	Hyperplasia	Papillary, Moderate
	Forestomach	Inflammation	Focal, Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland	Pituitary Gland
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**OBSERVATIONS**

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Minimal
Lung		Adenomatosis	Minimal
		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate

Note: INFLAMMATION TGLs = 1

Note: ULCER TGLs = 1

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 3

DOSE: 0.02%

SEX: Male

DISP: Natural Death

DAY ON TEST: 641

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM NOS TGLs = 4	Medulla	Pheochromocytoma Nos	
Brain		Mineralization	Minimal
Liver Note: HEPATOCLR CARC TGLs = 5,6	Centrilobular	Hepatocellular Carcinoma Necrosis	Minimal
Lung Note: CONGESTION TGLs = 8		Adenomatosis Congestion Inflammation	Minimal Moderate Focal, Minimal
Lymph Node Note: ANGIOECTASIS TGLs = 7	Mesenteric	Angiectasis	Moderate
Mesentery Note: NECROSIS TGLs = 3	Fat	Necrosis	Moderate
Skin Note: SARCOMA TGLs = 2	Subcut Tiss	Sarcoma	
Stomach	Glandular	Mineralization	Mild
Thyroid Gland		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 33

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 641

**DOSE:** 0.02%

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex, Subcapsular	Adenoma	
Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Mineralization	Minimal
Lung		Adenomatosis	Minimal
		Alveolar/Bronchiolar Adenoma	Multiple
		Inflammation	Focal, Minimal
Note: ALV BRON ADEN TGLs = 4,5			
Lymph Node	Inguinal	Hyperplasia	Mild
Preputial Gland		Degeneration	Cystic, Marked
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 3			
Note: DEGEN TGLs = 3			
Skin		Inflammation	Chronic, Mild
		Mineralization	Moderate
Note: MINERALIZATION TGLs = 1			
Note: INFLAMMATION TGLs = 1			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 33

**TRT#:** 5  
**DOSE:** 0.01%

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

**DAY ON TEST:** 730  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
Kidney		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4		
Lung		Inflammation	Focal, Minimal
		Pigmentation	Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Inguinal	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2		
Note: ANGIECTASIS	TGLs = 5		
Skin	Subcut Tiss	Inflammation	Suppurative, Moderate
		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 3		
Note: INFLAMMATION	TGLs = 1		
Tooth	Incisor	Dysplasia	Minimal
	Incisor	Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 3

SEX: Male

DAY ON TEST: 603

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Blood

Bone

Bone Marrow

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Peripheral Nerve

Pituitary Gland

Prostate

Salivary Glands

Spinal Cord

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Trachea

Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Brain

Mineralization

Mild

Kidney

Mineralization

Minimal

Liver

Cyst Multilocular

Skin

Subcut Tiss

Fibrosarcoma

Note: FIBROSARC TGLs = 3

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 5

Thyroid Gland

Degeneration

Cystic, Minimal

Tooth

Incisor

Dysplasia

Mild

Incisor

Inflammation

Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 34                      **TRT#:** 5                      **SEX:** Male                      **DAY ON TEST:** 730  
**DOSE:** 0.01%                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Dilatation	Moderate
	Bile Duct	Hyperplasia	Mild
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS    TGLs = 3			
Nose	Nasolacrim Dct	Foreign Body	Minimal
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION    TGLs = 1			
Thyroid Gland		Degeneration	Cystic, Mild
Tooth	Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Peripheral Nerve

Prostate

Salivary Glands

Spinal Cord

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

**MISSING**

Mammary Gland

Pituitary Gland

**OBSERVATIONS**

Kidney

Hyperplasia

Lymphoid, Minimal

Nephropathy

Minimal

Liver

Hepatocellular Adenoma

Note: HEPATOCLR ADEN TGLs = 2

Skin

Subcut Tiss

Fibroma

Note: FIBROMA TGLs = 1

Tooth

Incisor

Dysplasia

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Large - Rectum	Intestine Small - Ileum	Lymph Node - Mesenteric	Mammary Gland
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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Lung		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION	TGLs = 1,2		
Spleen		Lymphoma Malignant Mixed	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 6 [ Adenomatosis TGLS = 6 ]			
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4			
Skin	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Moderate
		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 2			
Note: INFLAMMATION TGLs = 3			
Note: FIBROMA TGLs = 1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Ileum	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex, Extra Adr Tiss	Lymphoma Malignant Mixed	
Brain		Mineralization	Mild
Ductus Deferens		Lymphoma Malignant Mixed	
Gallbladder		Lymphoma Malignant Mixed	
Intestine Small	Duodenum	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6,7			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Hyperplasia	Minimal
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 8			
Note: HYPERPLASIA TGLs = 3,8			
Mesentery		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Prostate		Lymphoma Malignant Mixed	
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1			
Spinal Cord	Dura	Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 647

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen		Lymphoma Malignant Mixed
[ Lymphoma Malignant Mixed TGLS = 5 ]		
Stomach	Forestomach	Lymphoma Malignant Mixed
	Glandular	Lymphoma Malignant Mixed

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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ANIMAL ID: 36	TRT#: 3 DOSE: 0.02%	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate

Note: FIBROSARC TGLs = 2  
Note: INFLAMMATION TGLs = 1

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:00  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 5	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Mammary Gland	Thymus
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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Marked
Note: ANGIECTASIS	TGLs = 2		
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Gallbladder
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Infiltration Cellular	Polymorphnuclr, Moderate
	Medulla	Infiltration Cellular	Polymorphnuclr, Moderate
Bone Marrow		Hyperplasia	Neutrophil, Marked
Brain		Infiltration Cellular	Polymorphnuclr, Moderate
Heart		Infiltration Cellular	Polymorphnuclr, Moderate
Kidney		Infiltration Cellular	Polymorphnuclr, Marked
Liver		Infiltration Cellular	Polymorphnuclr, Marked
Lung		Infiltration Cellular	Polymorphnuclr, Marked
		Inflammation	Focal, Moderate
		Squamous Cell Carcinoma	Metastatic (Skin), Multiple (Skin)
Note: SQUAM CEL CARC	TGLs = 4		
Nose		Infiltration Cellular	Polymorphnuclr, Moderate
Pituitary Gland		Infiltration Cellular	Polymorphnuclr, Moderate
Skin		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC	TGLs = 1		
Spleen		Infiltration Cellular	Polymorphnuclr, Marked
Note: INFILTRAT CELL	TGLs = 3		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Harderian Gland		Adenoma	
Note: ADENOMA	TGLs = 4		
Kidney		Mineralization	Minimal
Lung		Adenomatosis	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS	TGLs = 8,9		
[ Infiltration Cellular TGLS = 8,9 ]			
Lymph Node	Inguinal	Angiectasis	Minimal
	Inguinal	Hyperplasia	Minimal
Note: HYPERPLASIA	TGLs = 6		
Note: ANGIECTASIS	TGLs = 6		
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 5		
Note: DEGEN	TGLs = 5		
Skin	Subcut Tiss	Fibrosarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:00

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 37

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 659

**DOSE:** 0.02%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: FIBROSARC TGLs = 3

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 7

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 5

DOSE: 0.01%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 714

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Kidney	Capsule	Fibrosis	Focal, Mild
Note: FIBROSIS	TGLs = 5		
Liver		Hepatocellular Adenoma	
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Skin		Inflammation	Chronic, Mild
	Subcut Tiss	Sarcoma	
Note: INFLAMMATION	TGLs = 1		
Note: SARCOMA	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4 ]			
Urethra	Bulboureth GI	Degeneration	Cystic, Marked
	Bulboureth GI	Fibrosis	Focal, Mild
Note: FIBROSIS	TGLs = 3		
Note: DEGEN	TGLs = 3		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Mammary Gland
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OBSERVATIONS

Kidney	Renal Tubule	Degeneration Mineralization Nephropathy	Hyaline, Moderate Minimal Mild
Liver		Lymphoma Malignant Histiocytic Necrosis	Multifocal, Mild
Note: LYMPH MAL HIST TGLs = 3,6 [ Lymphoma Malignant Histiocytic TGLS = 3,6 ]			
Lymph Node	Inguinal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 7			
Nose	Mucosa	Inflammation	Suppurative, Moderate
Pancreas		Edema	Mild
Preputial Gland		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 1			
Skin	Subcut Tiss	Edema	Mild
	Subcut Tiss	Inflammation	Suppurative, Mild
Note: EDEMA TGLs = 5 Note: INFLAMMATION TGLs = 5			
Spleen		Hematopoietic Cell Proliferation	Moderate
Urethra	Bulboureth GI	Proliferation Connective Tissue	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 653
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: PROLF CON TISS TGLs = 2

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 3

SEX: Male

DAY ON TEST: 711

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Inflammation	Chronic, Moderate
	Subcut Tiss	Ulcer	Moderate
Note: INFLAMMATION	TGLs = 2		
Note: FIBROMA	TGLs = 2		
Note: ULCER	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 5

DOSE: 0.01%

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Harderian Gland Note: ADENOMA TGLs = 6		Adenoma	
Kidney		Hyperplasia Nephropathy Hyperplasia	Lymphoid, Minimal Minimal Focal, Minimal
Lung Note: HYPERPLASIA TGLs = 5	Alveolar Epith		
Nose	Lumen Lumen	Exudate Foreign Body	Minimal Minimal
Skin Note: INFLAMMATION TGLs = 1 Note: FIBROSARC TGLs = 2	Subcut Tiss	Fibrosarcoma Inflammation	Chronic, Mild
Spleen [ Hematopoietic Cell Proliferation TGLS = 4 ]		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Lung		Alveolar/Bronchiolar Carcinoma	
	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Axillary	Lymphoma Malignant Histiocytic	
	Mediastinal	Lymphoma Malignant Histiocytic	
	Mesenteric	Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 2,3		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 4		
Thymus		Cyst	
Tooth	Incisor	Dysplasia	Mild
	Incisor	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 39

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0.02%

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Testes  
Urinary Bladder

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney  
Nose  
Skin

Adventitia

Nephropathy  
Inflammation  
Inflammation

Minimal  
Focal, Mild  
Chronic, Minimal

Note: INFLAMMATION TGLs = 2

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Testes  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Prostate  
Stomach - Forestomach  
Thyroid Gland

MISSING

Esophagus

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Lung [ Alveolar/Bronchiolar Carcinoma TGLS = 4 ]  
Skin Subcut Tiss [ Fibrosarcoma TGLS = 3 ]  
[ Hyperplasia TGLS = 2 ]  
[ Inflammation TGLS = 1,2 ]

Alveolar/Bronchiolar Carcinoma  
Fibrosarcoma  
Hyperplasia  
Inflammation  
Basal Cell, Mild  
Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 40      **TRT#:** 1      **SEX:** Male      **DAY ON TEST:** 299  
**DOSE:** UNTREATD CONTROL      **DISP:** Moribund Sacrifice      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland      Nose

**OBSERVATIONS**

Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
Brain	Artery, Meninges	Inflammation	Chronic, Mild
Heart	Artery	Inflammation	Chronic, Moderate
Kidney	Artery	Inflammation	Chronic, Moderate
Liver		Basophilic Focus	Mild
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Minimal
Note: DEGEN      TGLs = 1			
Skeletal Muscle	Artery, Head	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
[ Alveolar/Bronchiolar Carcinoma TGLS = 1 ]			
Parathyroid Gland		Cyst	
Tooth	Incisor	Inflammation	Suppurative, Marked

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:00  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 40	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Pituitary Gland

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**OBSERVATIONS**

Liver	Bile Duct	Dilatation	Mild
Lung		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 535

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Gallbladder	Mammary Gland	Pituitary Gland
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OBSERVATIONS

Brain	Mineralization	Mild
Liver	Hemangiosarcoma	Multiple
	Thrombosis	
Note: THROMBUS TGLs = 1		
Note: HEMANGIOSARC TGLs = 1,10		
Lung	Adenomatosis	Minimal
	Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 11		
Note: INFLAMMATION TGLs = 11		
Preputial Gland	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2		
Spleen	Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 8		
Testes	Hemangiosarcoma	
Note: HEMANGIOSARC TGLs = 4,6,7		
Thyroid Gland	Degeneration	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:00

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 3

DOSE: 0.02%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 653

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Gallbladder	Adenocarcinoma Hyperplasia	Metastatic (Uncertain Primary Site) Papillary, Moderate
Note: ADENOCARC PRIMARY SITE IS UNCERTAIN.		
Kidney	Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: ADENOCARC TGLs = 12		
Note: ADENOCARC PRIMARY SITE IS UNCERTAIN		
Liver	Adenocarcinoma Adenoma Angiectasis Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site) Multiple Moderate
Note: HEPATOCLR CARC TGLs = 5,6,7,8		
Note: ANGIECTASIS TGLs = 5		
Note: ADENOCARC PRIMARY SITE IS UNCERTAIN		
Note: ADENOCARC TGLs = 5,8		
Lung	Adenocarcinoma Hepatocellular Carcinoma	Metastatic (Uncertain Primary Site) Metastatic (Liver)
Note: ADENOCARC PRIMARY SITE IS UNCERTAIN		
Note: ADENOCARC TGLs = 15		
Note: HEPATOCLR CARC TGLs = 15		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 41	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 653 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Lymph Node	Mediastinal Mesenteric	Adenocarcinoma Angiectasis	Metastatic (Uncertain Primary Site) Mild
Note: ANGIECTASIS TGLs = 14 Note: ADENOCARC PRIMARY SITE IS UNCERTAIN			
Mesentery	Fat	Adenocarcinoma Necrosis	Metastatic (Uncertain Primary Site) Moderate
Note: ADENOCARC PRIMARY SITE IS UNCERTAIN Note: ADENOCARC TGLs = 1,2,4,9 Note: NECROSIS TGLs = 2			
Skeletal Muscle	Abdominal, Thoracic	Adenocarcinoma	Metastatic (Uncertain Primary Site), Multiple (Uncertain Primary Site)
Note: ADENOCARC TGLs = 3,9,16 Note: ADENOCARC PRIMARY SITE IS UNCERTAIN			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 11			

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Inflammation	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 3		
Note: DEGEN	TGLs = 3		
Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: ULCER	TGLs = 1		
Note: INFLAMMATION	TGLs = 1		
Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Mineralization	Mild
Intestine Small	Jejunum, Lymphoid Tiss	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD   TGLs = 3			
Lung		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD   TGLs = 4			
Skin		Exudate	Minimal
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: INFLAMMATION    TGLs = 1			
Note: ULCER            TGLs = 1			
[ Inflammation TGLS = 2 ]			
Thymus		Cyst	
Tooth	Incisor	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pancreas  
Prostate  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Salivary Glands  
Testes

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain  
Lung  
Skin  
    Note: SARCOMA      TGLs = 1  
Spleen  
    Note: HEMA CELL PROL      TGLs = 2  
Thyroid Gland

Alveolar Epith  
Subcut Tiss

Mineralization  
Hyperplasia  
Sarcoma  
  
Hematopoietic Cell Proliferation  
  
Degeneration

Mild  
Focal, Mild  
  
Marked  
  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Pancreas	Parathyroid Gland	Penis	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Esophagus	Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Moderate
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Suppurative, Marked
Skin	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Moderate
		Mineralization	Marked
		Ulcer	Moderate

Note: ULCER TGLs = 2  
 Note: INFLAMMATION TGLs = 2  
 Note: FIBROMA TGLs = 2  
 Note: MINERALIZATION TGLs = 2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 470

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Peripheral Nerve  
Skin  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Kidney  
Pituitary Gland  
Spinal Cord  
Testes

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Spleen  
Thyroid Gland

MISSING

Intestine Small - Ileum  
Thymus

Lymph Node - Mesenteric

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Brain  
Liver

Mineralization  
Angiectasis  
Developmental Malformation  
Nuclear Alteration

Mild  
Mild  
Minimal  
Mild

Note: ANGIECTASIS TGLs = 2  
Note: DEVELOP MALFOR TGLs = 2  
[ Angiectasis TGLS = 3 ]

Lung

Adenomatosis  
Inflammation

Mild  
Focal, Mild

Note: ADENOMATOSIS TGLs = 7,8  
[ Adenomatosis TGLS = 7,8 ]

Nose  
Seminal Vesicle

Lumen

Exudate  
Dilatation  
Fibrosis

Mild  
Moderate  
Focal, Mild

Note: DILATATION TGLs = 5,6  
[ Dilatation TGLS = 6 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney	Mineralization	Minimal
Thyroid Gland	Degeneration	Cystic, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Testes
Trachea	Urinary Bladder		

MISSING

Intestine Small - Duodenum	Mammary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Mild
Liver		Fibrosis	Focal, Moderate
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Moderate
		Infarct	Marked
		Mineralization	Focal, Moderate
Note: HEPATOCLR CARC TGLs = 4			
Note: INFARCT TGLs = 4			
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Skin	Subcut Tiss	Fibrosarcoma	
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
Note: INFLAMMATION TGLs = 1			
Note: ULCER TGLs = 3			
Note: FIBROSARC TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Mild

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 43

**TRT#:** 5  
**DOSE:** 0.01%

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 712  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Brain		Mineralization	Mild
Harderian Gland	Duct	Dilatation	Focal, Minimal
Kidney		Nephropathy	Minimal
Lung		Inflammation	Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 3

SEX: Male

DAY ON TEST: 702

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Intestine Small - Ileum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Blood Vessel	Abdominal	Inflammation	Chronic, Mild
Brain		Mineralization	Moderate
Liver		Hepatocellular Carcinoma	
		Inflammation	Focal, Mild
Note: INFLAMMATION TGLs = 10			
Note: HEPATOCLR CARC TGLs = 6			
Lung		Adenomatosis	Minimal
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 11			
Note: INFLAMMATION TGLs = 11			
Note: ALV BRON ADEN TGLs = 12			
Lymph Node	Mandibular	Hyperplasia	Moderate
	Mesenteric	Lymphoma Malignant Mixed	
[ Lymphoma Malignant Mixed TGLS = 5 ]			
Penis		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 7			
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 702 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION TGLs = 8 Note: DEGEN TGLs = 8			
Skin		Inflammation Ulcer	Chronic, Moderate Moderate
[ Inflammation TGLS = 2,3 ] [ Ulcer TGLS = 1 ]			
Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant Mixed	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4 ] [ Lymphoma Malignant Mixed TGLS = 4 ]			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 9			
Thyroid Gland		Degeneration	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Pituitary Gland	Thymus
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OBSERVATIONS

Brain		Mineralization	Minimal
Liver		Necrosis	Multifocal, Moderate
Note: NECROSIS	TGLs = 7		
Lung		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Inguinal	Sarcoma	Metastatic (Skin)
Note: SARCOMA	TGLs = 5		
Mesentery		Inflammation	Suppurative, Moderate
	Fat	Necrosis	Marked
Note: INFLAMMATION	TGLs = 6		
Note: NECROSIS	TGLs = 6		
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Skin		Fibrosis	Moderate
		Inflammation	Chronic, Moderate
	Subcut Tiss	Sarcoma	Multiple
Note: INFLAMMATION	TGLs = 1		
Note: FIBROSIS	TGLs = 1		
Note: SARCOMA	TGLs = 2,3		
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 44

**TRT#:** 5  
**DOSE:** 0.01%

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 666  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HEMA CELL PROL TGLs = 8

Thyroid Gland

Tooth

Incisor

Degeneration

Dysplasia

Cystic, Minimal

Mild

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Peripheral Nerve  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Spinal Cord  
Thymus

Bone  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney

Artery

Hyperplasia  
Inflammation  
Nephropathy  
Fibrosis  
Hepatocellular Carcinoma  
Infarct  
Mineralization

Lymphoid, Minimal  
Chronic, Mild  
Mild  
Focal, Moderate  
Moderate  
Focal, Moderate

Liver

Alveolar/Bronchiolar Adenoma  
Hepatocellular Carcinoma  
Hyperplasia

Metastatic (Liver)  
Macrophage, Minimal

Note: HEPATOCLR CARC TGLs = 2

Lung

[ Alveolar/Bronchiolar Adenoma TGLS = 6 ]

Lymph Node

Mesenteric

Angiectasis

Mild

Note: ANGIECTASIS TGLs = 5

Preputial Gland

Inflammation

Suppurative, Marked

Note: INFLAMMATION TGLs = 3

Spleen

Hematopoietic Cell Proliferation

Mild

[ Hematopoietic Cell Proliferation TGLS = 4 ]

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 45

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Trachea	Urinary Bladder	

MISSING

Gallbladder	Intestine Small - Jejunum	Mammary Gland	
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OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Moderate
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Suppurative, Moderate
Note: ADENOMATOSIS TGLs = 2			
Note: INFLAMMATION TGLs = 2			
Lymph Node	Mesenteric	Angiectasis	Mild
Preputial Gland		Degeneration	Cystic, Minimal
Note: DEGEN TGLs = 1			
Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH	-		
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Intestine Small - Ileum	Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate

Note: INFLAMMATION TGLs = 1

Note: ULCER TGLs = 1

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 46

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 732

**DOSE:** UNTREATD CONTROL

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Pituitary Gland  
Spinal Cord  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Peripheral Nerve  
Skin  
Stomach - Glandular  
Trachea

**MISSING**

Gallbladder                      Mammary Gland

**OBSERVATIONS**

Preputial Gland

Degeneration

Cystic, Minimal

[ Degeneration TGLS = 2 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 46

**TRT#:** 3  
**DOSE:** 0.02%

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 710  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea		

**MISSING**

Mammary Gland

**OBSERVATIONS**

Bone Marrow		Lymphoma Malignant Mixed	
Brain		Mineralization	Mild
Gallbladder		Lymphoma Malignant Mixed	
Heart		Mineralization	Moderate
Note: MINERALIZATION	TGLs = 9		
Intestine Large	Cecum	Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3,4		
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 6		
Lung		Alveolar/Bronchiolar Adenoma	
Note: LYMPH MAL MIXD	TGLs = 7,8	Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 10		
Mesentery		Lymphoma Malignant Mixed	
Nose		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 710 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate	Lymphoma Malignant Mixed	
Seminal Vesicle	Lymphoma Malignant Mixed	
Skeletal Muscle	Lymphoma Malignant Mixed	
Skin	Inflammation	Chronic, Moderate
Note: INFLAMMATION    TGLs = 1		
Spleen	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 2		
Urinary Bladder	Lymphoma Malignant Mixed	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Mild
Intestine Small	Jejunum, Lymphoid Tiss	Hyperplasia	Lymphoid, Mild
Note: HYPERPLASIA	TGLs = 3		
Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
Note: HEPATOCLR ADEN	TGLs = 4		
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 5		
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Tooth	Incisor	Dysplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 47      TRT#: 1      SEX: Male      DAY ON TEST: 665  
DOSE: UNTREATD CONTROL      DISP: Natural Death      HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Lymph Node - Mesenteric      Mammary Gland

**OBSERVATIONS**

Brain		Mineralization	Minimal
Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	Multiple
		Inflammation	Focal, Mild
Note: ADENOMATOSIS    TGLs = 4			
Note: ALV BRON ADEN    TGLs = 4			
Skin	Subcut Tiss	Sarcoma	
		Ulcer	Moderate
Note: SARCOMA        TGLs = 2			
Note: ULCER         TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL    TGLs = 3			

PRIMARY CAUSE OF DEATH      -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lymph Node - Mandibular	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Mammary Gland

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Congestion	Minimal
		Inflammation	Focal, Minimal
[ Congestion TGLS = 5 ]			
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS TGLs = 4			
Pancreas		Accessory Spleen	
Preputial Gland		Degeneration	Cystic, Minimal
Note: DEGEN TGLs = 2			
Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 3 ]			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Gallbladder	Mammary Gland	Thymus
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**OBSERVATIONS**

Adrenal Gland	Cortex, Subcapsular	Hyperplasia	Focal, Mild
Harderian Gland	Duct	Dilatation	Focal, Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lymph Node	Mesenteric	Angiectasis	Minimal
Note: ANGIECTASIS TGLs = 3			
Nose	Lumen	Exudate	Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Brain	Mineralization	Mild
Harderian Gland	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3		
Kidney	Hyperplasia	Lymphoid, Mild
	Nephropathy	Minimal
Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Note: INFLAMMATION TGLs = 2		
Note: ADENOMATOSIS TGLs = 2		
Parathyroid Gland	Degeneration	Cystic, Minimal
Skin	Ulcer	Minimal
Note: ULCER TGLs = 1		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 0.02%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
		Necrosis	Focal, Mild
Note: NECROSIS	TGLs = 6		
Note: INFLAMMATION	TGLs = 6		
Lung	Alveolar Epith	Metaplasia	Focal, Minimal
Skin	Subcut Tiss	Sarcoma	
Note: SARCOMA	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Marked
	[ Hematopoietic Cell Proliferation TGLS = 5 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 5 <b>DOSE:</b> 0.01%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 117 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Intestine Small - Duodenum	Intestine Small - Ileum	Mammary Gland	Nose
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**OBSERVATIONS**

Spleen		Depletion Lymphoid	Marked
Note: DEPLET LYMPH	TGLs = 2		
Thymus		Depletion Lymphoid	Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 227

**DOSE:** UNTREATD CONTROL

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mesentery
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Gallbladder	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Mammary Gland	Nose	Pancreas
Thymus			

**OBSERVATIONS**

Ductus Deferens	Serosa	Foreign Body	Moderate
	Serosa	Inflammation	Chronic, Marked
Lung		Congestion	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 8 [ Congestion TGLS = 8 ]			
Lymph Node	Inguinal	Inflammation	Chronic, Moderate
[ Inflammation TGLS = 4 ]			
Prostate		Inflammation	Suppurative, Moderate
Skin	Subcut Tiss	Edema	Moderate
	Prepuce	Inflammation	Chronic, Marked
Note: EDEMA TGLs = 3 [ Inflammation TGLS = 1,2 ]			

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 3 <b>DOSE:</b> 0.02%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Lymph Node - Mesenteric	Mammary Gland	Thymus
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**OBSERVATIONS**

Brain	Mineralization	Mild
Kidney	Nephropathy	Minimal
Lung	Adenomatosis	Mild
	Inflammation	Focal, Mild
Skin	Inflammation	Chronic, Minimal

Note: INFLAMMATION TGLs = 1

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 678

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Heart	Islets, Pancreatic
Kidney	Lymph Node - Mesenteric	Nose	Pancreas
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Lymph Node - Mandibular	Mammary Gland	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Brain		Mineralization	Minimal
Liver		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
Note: HEPATOCLR ADEN	TGLs = 2		
Note: HEPATOCLR CARC	TGLs = 1		
Lung		Alveolar/Bronchiolar Adenoma	
Parathyroid Gland		Cyst	Multiple
Preputial Gland		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3		
Skeletal Muscle	Thigh	Mineralization	Moderate
Skin		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 710

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Prostate  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

MISSING

Gallbladder                      Mammary Gland

OBSERVATIONS

Harderian Gland  
Kidney  
Liver

Note: HEPATOCLR ADEN    TGLs = 3

Lung

Skin

Subcut Tiss

Note: SCHWANNOMA NOS    TGLs = 2

Note: ULCER                TGLs = 1

Hyperplasia  
Hyperplasia  
Hepatocellular Adenoma

Adenomatosis  
Inflammation

Schwannoma Nos  
Ulcer

Focal, Minimal  
Lymphoid, Minimal

Minimal  
Focal, Minimal

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Mild
Kidney		Nephropathy	Minimal
Liver		Angiectasis	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 3 [ Adenomatosis TGLS = 3 ]			
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2			
Mesentery		Inflammation	Suppurative, Minimal
Parathyroid Gland		Cyst	
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: INFLAMMATION TGLs = 4 [ Inflammation TGLS = 4 ]			
Lymph Node	Inguinal	Hyperplasia	Lymphoid, Mild
	Inguinal	Pigmentation	Minimal
Note: HYPERPLASIA TGLs = 3 Note: PIGMENT TGLs = 3			
Skin	Subcut Tiss	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 402
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Gallbladder	Intestine Small - Ileum
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**OBSERVATIONS**

Lung	Congestion	Mild
	Infiltration Cellular	Polymorphnuclr, Mild
[ Congestion TGLS = 3 ]		
[ Infiltration Cellular TGLS = 3 ]		
Mesentery	Inflammation	Suppurative, Moderate
Ovary	Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2		
Pancreas	Inflammation	Suppurative, Mild
Uterus	Endometrium	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 659
	<b>DOSE:</b> 0.02%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Lymph Node - Mandibular

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**OBSERVATIONS**

Intestine Small Note: LYMPH MAL MIXD TGLs = 2	Jejunum	Lymphoma Malignant Mixed	
Lung [ Alveolar/Bronchiolar Carcinoma TGLS = 4,5,6,7 ]		Alveolar/Bronchiolar Carcinoma	
Ovary Note: CYST TGLs = 3	Follicle	Cyst	
Skin Note: INFLAMMATION TGLs = 1		Inflammation	Chronic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Lung		Adenomatosis	Mild
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 541
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney	Capsule	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Mesenteric	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 6			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2,3			
Oviduct		Inflammation	Suppurative, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0.02%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Intestine Small - Duodenum

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**OBSERVATIONS**

Harderian Gland		Foreign Body	Mild
Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
Nose		Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Thymus	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild

Note: HYPERPLASIA TGLs = 3

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 2 <b>DOSE:</b> UNTREATD CONTROL	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 547 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Kidney	Capsule	Inflammation	Suppurative, Moderate
Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung	Mediastinum	Inflammation	Suppurative, Mild
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4,5			
Skeletal Muscle		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 6 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

**OBSERVATIONS**

Brain		Mineralization	Mild
Mammary Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 2		
Ovary		Angiectasis	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3		
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Lung		Hemorrhage	Focal, Minimal
		Hyperplasia	Macrophage, Minimal
		Hyperplasia	Lymphoid, Minimal
Stomach	Forestomach	Hyperplasia	Papillary, Minimal
Thyroid Gland		Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal

Note: HYPERPLASIA TGLs = 3

PRIMARY CAUSE OF DEATH -

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:01

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 4

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 521

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Kidney		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 5,6		
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
[ Hematopoietic Cell Proliferation TGLS = 7 ]			
[ Infiltration Cellular TGLS = 7 ]			
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 1		
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3		
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 4 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 4

SEX: Female

DAY ON TEST: 679

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Compression	Marked
		Mineralization	Minimal
Note: COMPRESSION TGLs = 6			
Mammary Gland	Duct	Dilatation	Mild
Ovary	Follicle	Cyst	
Note: CYST TGLs = 2			
Pituitary Gland	Pars Intermed	Adenoma	
Note: ADENOMA TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 4                      **TRT#:** 6                      **SEX:** Female                      **DAY ON TEST:** 731  
**DOSE:** 0.01%                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

**OBSERVATIONS**

Lung		Adenomatosis	Minimal
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Focal, Minimal
Lymph Node	Iliac	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA    TGLs = 3,2			
Ovary	Follicle	Cyst	
Note: CYST            TGLs = 4			
Thyroid Gland		Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA    TGLs = 5			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5

TRT#: 2

SEX: Female

DAY ON TEST: 592

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Mild
Kidney		Congestion	Minimal
Note: CONGESTION	TGLs = 7		
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
Lymph Node	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Moderate
Note: HYPERPLASIA	TGLs = 2,3		
Note: INFLAMMATION	TGLs = 3		
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 6		
Skeletal Muscle		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 6		
Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 5 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 714
	<b>DOSE:</b> 0.02%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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ORGAN AND ACCOUNTABLE SITE STATUS

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Mesentery		Inflammation	Suppurative, Moderate
	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2 [ Necrosis TGLS = 2 ]			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4			
Pancreas		Atrophy	Focal, Mild
Note: ATROPHY TGLs = 5			
Stomach	Forestomach	Ulcer	Mild
[ Ulcer TGLS = 6 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Focal, Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 5 [ Adenomatosis TGLS = 5 ]			
Lymph Node	Mesenteric	Angiectasis	Mild
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
Note: HYPERPLASIA TGLs = 4			

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Adrenal Gland	Medulla	Developmental Malformation	Mild
Brain		Mineralization	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 501 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Brain		Mineralization	Mild
Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Adenomatosis	Minimal
	Mediastinum	Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Moderate
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Kidney		Cyst	
Liver		Inflammation	Focal, Mild
Lung		Adenomatosis	Minimal
	Alveolar Epith	Hyperplasia	Focal, Mild
		Inflammation	Focal, Minimal
Lymph Node	Inguinal	Hyperplasia	Minimal
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3		
Pituitary Gland	Pars Distalis	Adenoma	
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

Note: HYPERPLASIA TGLs = 2

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lung
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex, Corticomed Jct	Degeneration	Fatty, Moderate
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 2			
Lymph Node	Mesenteric	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 4			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 4

SEX: Female

DAY ON TEST: 563

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Small - Duodenum

OBSERVATIONS

Gallbladder	Serosa	Inflammation	Suppurative, Moderate
Kidney		Infiltration Cellular	Polymorphnuclr, Mild
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 4			
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Suppurative, Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLs = 3 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 6

SEX: Female

DAY ON TEST: 518

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Thymus
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OBSERVATIONS

Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Lung	Mediastinum	Inflammation	Suppurative, Moderate
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Mild
Ovary		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 635
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

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**MISSING**

Intestine Large - Cecum	Intestine Large - Rectum	Lymph Node - Mandibular
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**OBSERVATIONS**

Brain	Mineralization	Mild
Islets, Pancreatic	Adenoma	
Kidney	Hyperplasia	Lymphoid, Minimal
Liver	Hepatocellular Carcinoma	Multiple
Note: HEPATOCLR CARC TGLs = 2,3		
Lung	Adenomatosis	Minimal
	Congestion	Moderate
	Inflammation	Focal, Minimal

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 702 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Brain		Mineralization	Mild
Gallbladder	Epithelium	Degeneration	Hyaline, Marked
	Epithelium	Hyperplasia	Moderate
Liver	Bile Duct	Degeneration	Hyaline, Moderate
	Bile Duct	Hyperplasia	Moderate
		Infarct	Moderate
[ Hyperplasia TGLS = 4 ]			
Mesentery		Inflammation	Suppurative, Marked
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 6			
Note: CYST TGLs = 5			
Pancreas	Duct	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 7			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 492 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**OBSERVATIONS**

Kidney Note: INFLAMMATION TGLs = 4	Capsule	Inflammation	Suppurative, Moderate
Lymph Node Note: HYPERPLASIA TGLs = 1	Renal	Hyperplasia	Moderate
Mesentery		Inflammation	Suppurative, Moderate
Ovary Note: INFLAMMATION TGLs = 3		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach Note: PIGMENT TGLs = 5 Note: NECROSIS TGLs = 5	Glandular Glandular	Necrosis Pigmentation	Focal, Moderate Mild
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 2

SEX: Female

DAY ON TEST: 688

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Minimal
Note: NEPHROPATHY	TGLs = 8		
Lymph Node	Mesenteric	Angiectasis	Mild
	Renal	Hyperplasia	Moderate
Note: ANGIECTASIS	TGLs = 9		
Note: HYPERPLASIA	TGLs = 2		
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 6		
Note: CYST	TGLs = 3		
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 7		
Thyroid Gland		Cyst	
		Inflammation	Suppurative, Minimal
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal
Note: HYPERPLASIA	TGLs = 4		
[ Inflammation TGLS = 5 ]			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Mineralization	Minimal
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Iliac	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 4,3			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 6

SEX: Female

DAY ON TEST: 583

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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OBSERVATIONS

Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Adenomatosis	Minimal
		Hyperplasia	Macrophage, Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Hyperplasia	Mild
	Renal	Hyperplasia	Marked
Note: HYPERPLASIA TGLs = 1			
Mammary Gland	Duct	Dilatation	Mild
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3 ]			
Stomach	Forestomach	Hyperplasia	Papillary, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

**ANIMAL ID:** 10

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 527

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Adenomatosis	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
	Mediastinum	Inflammation	Suppurative, Moderate
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
	Mediastinal	Inflammation	Suppurative, Marked
[ Inflammation TGLS = 8 ]			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4,5			
Skeletal Muscle		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 9			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 7			
Note: HYPERPLASIA TGLs = 6			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 4

SEX: Female

DAY ON TEST: 480

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver		Infiltration Cellular	Polymorphnucl, Minimal
Note: INFILTRAT CELL	TGLs = 5		
Lung	Mediastinum	Inflammation	Suppurative, Mild
Lymph Node	Iliac	Hyperplasia	Moderate
	Bronchial	Inflammation	Suppurative, Moderate
Note: HYPERPLASIA	TGLs = 2		
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3		
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 650

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Infiltration Cellular	Polymorphnuclr, Mild
	Capsule	Inflammation	Suppurative, Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Mesenteric	Hyperplasia	Mild
	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3			
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5,6			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Hyperplasia Mineralization	Lymphoid, Minimal Minimal
Kidney		Hyperplasia	Lymphoid, Mild
Lung		Hyperplasia	Lymphoid, Mild
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary		Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Moderate
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Mild

Note: HYPERPLASIA TGLs = 3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 11	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Ovary	Follicle	Cyst	
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION	TGLs = 1		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2		

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Liver		Infiltration Cellular Necrosis	Polymorphnuclr, Moderate Focal, Minimal
Lung		Adenomatosis Infiltration Cellular Inflammation	Minimal Polymorphnuclr, Mild Focal, Minimal
Mammary Gland	Duct	Dilatation Inflammation	Mild Suppurative, Marked
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate
Note: HYPERPLASIA	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Peripheral Nerve  
Spinal Cord  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Brain  
Kidney  
Lung  
Lymph Node  
Spleen  
Thymus  
Uterus

Mediastinal

Endometrium

Mineralization  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Hyperplasia  
Inflammation

Mild  
  
  
  
  
  
Cystic, Moderate  
Suppurative, Mild

Note: HYPERPLASIA TGLs = 1

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 2		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 6

SEX: Female

DAY ON TEST: 507

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Mineralization	Minimal
Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS TGLs = 4 [ Adenomatosis TGLS = 4 ]			
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1			
Ovary		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 3			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spinal Cord  
Thymus

Bone  
Gallbladder  
Intestine Large - Rectum  
Liver  
Nose  
Peripheral Nerve  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lung  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Trachea

**MISSING**

Intestine Small - Duodenum

Lymph Node - Mandibular

**OBSERVATIONS**

Kidney

Hyperplasia  
Nephropathy  
Adenoma  
Hyperplasia

Lymphoid, Minimal  
Minimal

Pituitary Gland

Pars Distalis

Uterus

Endometrium

Cystic, Moderate

Note: HYPERPLASIA TGLs = 4

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 522

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Kidney		Infiltration Cellular	Mixed Cell, Mild
	Capsule	Inflammation	Suppurative, Mild
Note: INFLAMMATION	TGLs = 6		
Note: INFILTRAT CELL	TGLs = 6		
Liver		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Bronchial	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
	Bronchial	Inflammation	Suppurative, Moderate
Note: HYPERPLASIA	TGLs = 1		
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3,4		
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 13

**TRT#:** 4  
**DOSE:** 0.02%

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 522  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 6

SEX: Female

DAY ON TEST: 632

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
	Iliac	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2		
Note: ANGIECTASIS	TGLs = 5		
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3		
Skin		Trichoepithelioma	
Note: TRICHOEPITHEL	TGLs = 1		
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 667

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Esophagus	Gallbladder
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Peripheral Nerve	Salivary Glands	Skin	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Moderate
Bone Marrow		Angiectasis	Mild
Brain		Mineralization	Moderate
Kidney		Infiltration Cellular	Polymorphnuclr, Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Infarct	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFARCT TGLs = 1			
Note: HEMA CELL PROL TGLs = 1			
Lung		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
	Renal	Hyperplasia	Marked
Note: HYPERPLASIA TGLs = 7			
Note: HYPERPLASIA TGLs = 2			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Mild
Spleen		Angiectasis	Mild
		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 14

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 667

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ANGIECTASIS TGLs = 6

Note: HEMA CELL PROL TGLs = 6

Stomach Forestomach  
Thyroid Gland  
Uterus Endometrium

Hyperplasia  
Degeneration  
Hyperplasia  
Inflammation

Papillary, Minimal  
Cystic, Minimal  
Cystic, Moderate  
Suppurative, Minimal

Note: HYPERPLASIA TGLs = 5

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 523

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex, Subcapsular	Hyperplasia	Focal, Moderate
Kidney		Inflammation	Multifocal, Moderate
Note: INFLAMMATION TGLs = 4			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Mesentery		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2			
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2			
Oviduct		Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 2			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 3 ]			
Thyroid Gland		Degeneration	Cystic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Brain  
Kidney

Capsule

Mineralization  
Inflammation  
Mineralization

Minimal  
Suppurative, Moderate  
Minimal

Note: INFLAMMATION TGLs = 5  
Liver

Hematopoietic Cell Proliferation  
Infiltration Cellular  
Adenomatosis  
Congestion  
Infiltration Cellular  
Inflammation  
Inflammation

Mild  
Polymorphnuclr, Mild  
Minimal  
Mild  
Polymorphnuclr, Mild  
Suppurative, Moderate  
Focal, Minimal

Note: ADENOMATOSIS TGLs = 8  
Note: CONGESTION TGLs = 7  
Note: INFLAMMATION TGLs = 8

Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 2,3

Inflammation  
Inflammation

Suppurative, Marked  
Suppurative, Moderate

Pituitary Gland  
Spleen

Pars Distalis

Hyperplasia  
Hematopoietic Cell Proliferation

Focal, Minimal  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 14

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 707  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HEMA CELL PROL TGLs = 9  
Uterus

Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 2

SEX: Female

DAY ON TEST: 710

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Mineralization	Mild
Intestine Small	Duodenum	Adenoma	
	Duodenum	Ulcer	Marked
Note: ULCER TGLs = 2 [ Ulcer TGLS = 2 ]			
Liver	Centrilobular	Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO TGLs = 5			
Lung		Adenomatosis	Minimal
		Alveolar/Bronchiolar Carcinoma	
		Inflammation	Focal, Minimal
Note: ALV BRON CARC TGLs = 7			
Ovary		Hemorrhage	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 4			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Intestine Small - Jejunum	Thymus
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**OBSERVATIONS**

Ovary Note: CYST      TGLs = 4	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Uterus Note: HYPERPLASIA      TGLs = 3	Endometrium	Hyperplasia	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 6

SEX: Female

DAY ON TEST: 637

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Moderate
Note: CONGESTION	TGLs = 7		
Kidney	Capsule	Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Suppurative, Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung	Mediastinum	Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Moderate
Lymph Node	Iliac	Hyperplasia	Moderate
	Renal	Hyperplasia	Marked
Note: HYPERPLASIA	TGLs = 3		
Note: HYPERPLASIA	TGLs = 2		
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4,5		
Skeletal Muscle	Adventitia	Inflammation	Focal, Mild
		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 6 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 15	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 637 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 647

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Gallbladder

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 8		
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 4,10		
Lung		Lymphoma Malignant Mixed	
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Pancreatic	Lymphoma Malignant Mixed	
	Renal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3,5,9		
Skin		Inflammation	Chronic, Moderate
Note: "OTHER" IS TOLUIDINE BLUE STAIN; NEGATIVE ON SKIN LESION			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 7		
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 6		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:01

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 16

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 647

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	Mild
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Mammary Gland	Duct	Dilatation	Moderate
Note: DILATATION	TGLs = 5		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4		
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 16

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 512  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney	Capsule	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 5			
Liver		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 6		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 6			
Lymph Node	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Skin		Inflammation	Chronic, Moderate
Note: INFLAMMATION TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 7			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 17	<b>TRT#:</b> 2 <b>DOSE:</b> UNTREATD CONTROL	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 710 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

**MISSING**

Gallbladder	Lymph Node - Mandibular		
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**OBSERVATIONS**

Kidney		Lymphoma Malignant Mixed	
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
		Lymphoma Malignant Mixed	
Note: ADENOMATOSIS TGLs = 7			
Note: LYMPH MAL MIXD TGLs = 7			
Lymph Node	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 3,4,8			
Parathyroid Gland		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Skin		Inflammation	Chronic, Minimal
Note: INFLAMMATION TGLs = 1			
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 6			
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 5			

<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Natural Death

DAY ON TEST: 477

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

OBSERVATIONS

Brain  
Liver  
  
Lung  
Lymph Node  
  
Note: HYPERPLASIA TGLs = 2  
Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 5  
Spleen  
Note: HEMA CELL PROL TGLs = 6  
Thyroid Gland  
Uterus  
  
Note: INFLAMMATION TGLs = 5

Mesenteric  
Renal  
  
  
  
  
  
  
Endometrium

Mineralization  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
Infiltration Cellular  
Angiectasis  
Hyperplasia  
  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Degeneration  
Hyperplasia  
Inflammation

Minimal  
Mild  
Polymorphnuclr, Mild  
Polymorphnuclr, Moderate  
Moderate  
Marked  
  
Suppurative, Marked  
Suppurative, Marked  
  
Moderate  
  
Cystic, Moderate  
Cystic, Moderate  
Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

MISSING

Gallbladder Ovary

OBSERVATIONS

Brain  
Harderian Gland  
Lung  
    Note: ALV BRON ADEN   TGLs = 3  
Spleen  
Uterus  
    Note: HYPERPLASIA   TGLs = 2

Endometrium

Mineralization  
Adenoma  
Alveolar/Bronchiolar Adenoma  
  
Hyperplasia  
Hyperplasia

Mild  
  
  
  
Lymphoid, Mild  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Brain		Mineralization	Moderate
Kidney		Nephropathy	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Note: ADENOMATOSIS TGLs = 4			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 2			
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 610

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Small Note: HYPERPLASIA TGLs = 3	Jejunum	Hyperplasia	Lymphoid, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Minimal
Note: INFILTRAT CELL TGLs = 9			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 8			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Marked
Note: HYPERPLASIA TGLs = 7			
Note: INFLAMMATION TGLs = 6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 731
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Thymus

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**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Hyperplasia	Lymphoid, Minimal
		Nephropathy	Minimal
Ovary	Follicle	Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA    TGLs = 3

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 19      **TRT#:** 2      **SEX:** Female      **DAY ON TEST:** 494  
**DOSE:** UNTREATD CONTROL      **DISP:** Moribund Sacrifice      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Brain	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Trachea		

**MISSING**

Pituitary Gland      Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Bone Marrow		Lymphoma Malignant Mixed	
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 8			
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 9			
Lung		Adenomatosis	Moderate
		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 11			
Note: ADENOMATOSIS      TGLs = 11			
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Iliac	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 3,4,12			
Mesentery		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 2			
Ovary		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 5,6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 19	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 494
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Salivary Glands		Lymphoma Malignant Mixed	
Skeletal Muscle		Lymphoma Malignant Mixed	
Skin	Subcut Tiss	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 7			
Thyroid Gland		Degeneration	Cystic, Moderate
		Lymphoma Malignant Mixed	
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Lymphoma Malignant Mixed	

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 4

SEX: Female

DAY ON TEST: 527

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Kidney		Inflammation	Multifocal, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnucl, Moderate
Note: HEMA CELL PROL TGLs = 7			
Note: INFILTRAT CELL TGLs = 7			
Lymph Node	Mandibular	Hyperplasia	Moderate
	Mediastinal	Hyperplasia	Mild
	Mesenteric	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Mild
Note: HYPERPLASIA TGLs = 8			
[ Inflammation TGLS = 8 ]			
Mammary Gland	Duct	Dilatation	Mild
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4,5			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 19

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 521  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

**MISSING**

Thymus

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney	Capsule	Inflammation	Suppurative, Moderate
Note: INFLAMMATION    TGLs = 6			
Liver		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL    TGLs = 5		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL    TGLs = 5			
Mesentery		Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	
Note: CYST            TGLs = 2		Inflammation	Suppurative, Moderate
Note: INFLAMMATION    TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL    TGLs = 4			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 684
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mammary Gland
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 2,3			
Lung		Lymphoma Malignant Mixed	
Lymph Node	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
	Popliteal	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 4			
Mesentery		Lymphoma Malignant Mixed	
Pancreas		Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 4

SEX: Female

DAY ON TEST: 600

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Blood Vessel	Abdominal	Thrombosis	
Kidney	Capsule	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 3			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
Mammary Gland	Duct	Dilatation	Minimal
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1			
Skeletal Muscle		Inflammation	Suppurative, Marked
Skin	Subcut Tiss	Inflammation	Suppurative, Marked
Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 2 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 6

SEX: Female

DAY ON TEST: 612

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Brain  
Kidney  
  
Liver  
  
Note: HEMA CELL PROL TGLs = 8  
Note: INFILTRAT CELL TGLs = 8  
Lung  
  
Lymph Node  
  
Note: ANGIECTASIS TGLs = 7  
Note: HYPERPLASIA TGLs = 9  
Note: HYPERPLASIA TGLs = 2  
Mammary Gland  
Mesentery  
Ovary  
  
Note: INFLAMMATION TGLs = 5  
Note: CYST TGLs = 4

Capsule  
  
  
  
  
  
Mesenteric  
Mediastinal  
Renal  
  
  
  
Duct  
  
Follicle

Mineralization  
Infiltration Cellular  
Inflammation  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
  
Adenomatosis  
Infiltration Cellular  
Inflammation  
Angiectasis  
Hyperplasia  
Hyperplasia  
  
  
Dilatation  
Inflammation  
Cyst  
Inflammation

Minimal  
Mixed Cell, Mild  
Suppurative, Mild  
Mild  
Polymorphnucl, Moderate  
  
Minimal  
Polymorphnucl, Moderate  
Focal, Minimal  
Mild  
Moderate  
Marked  
  
Minimal  
Suppurative, Marked  
  
Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 20	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 612 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Spleen Note: HEMA CELL PROL TGLs = 6		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 2

SEX: Female

DAY ON TEST: 170

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Peripheral Nerve
Salivary Glands	Stomach - Forestomach	Thyroid Gland	Trachea

MISSING

Intestine Large - Rectum	Nose	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Lymphocytic	
	Medulla	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 6		
Bone Marrow		Lymphoma Malignant Lymphocytic	
Brain		Hemorrhage	Focal, Mild
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 13,14		
Note: HEMORRHAGE	TGLs = 13,14		
Gallbladder		Lymphoma Malignant Lymphocytic	
Heart		Lymphoma Malignant Lymphocytic	
Intestine Small	Duodenum	Lymphoma Malignant Lymphocytic	
	Ileum	Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 9,10		
Kidney		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 7		
Liver		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 8		
Lung	Mediastinum	Lymphoma Malignant Lymphocytic	
		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 1		
Note: LYMPH MAL LYMP	TGLs = 11		
Lymph Node	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 170
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: LYMPH MAL LYMP	TGLs = 12		
Ovary		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 3,4		
Pancreas		Lymphoma Malignant Lymphocytic	
Pituitary Gland		Lymphoma Malignant Lymphocytic	
Skeletal Muscle		Lymphoma Malignant Lymphocytic	
Skin	Subcut Tiss	Lymphoma Malignant Lymphocytic	
Spinal Cord		Hemorrhage	Focal, Mild
		Lymphoma Malignant Lymphocytic	
		Necrosis	Focal, Mild
Spleen		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 5		
Stomach	Glandular	Lymphoma Malignant Lymphocytic	
Thymus		Lymphoma Malignant Lymphocytic	
Note: LYMPH MAL LYMP	TGLs = 2		
Urinary Bladder		Lymphoma Malignant Lymphocytic	
Uterus		Lymphoma Malignant Lymphocytic	

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Natural Death

DAY ON TEST: 610

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Skin  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Spinal Cord  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

Parathyroid Gland

Salivary Glands

OBSERVATIONS

Brain  
Liver  
  
Lung  
  
Lymph Node  
  
Note: HYPERPLASIA TGLs = 5  
Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 1  
Skeletal Muscle  
Spleen  
Note: HEMA CELL PROL TGLs = 3  
Uterus  
Note: HYPERPLASIA TGLs = 2

Mediastinum  
Iliac  
Lumbar

Mineralization  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
Infiltration Cellular  
Inflammation  
Hyperplasia  
Hyperplasia  
  
Inflammation  
Inflammation  
  
Inflammation  
Hematopoietic Cell Proliferation  
  
Hyperplasia

Minimal  
Moderate  
Polymorphnuclr, Moderate  
Polymorphnuclr, Moderate  
Suppurative, Moderate  
Moderate  
Moderate  
  
Suppurative, Moderate  
Suppurative, Marked  
  
Suppurative, Moderate  
Moderate  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 6

DOSE: 0.01%

SEX: Female

DISP: Natural Death

DAY ON TEST: 530

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

MISSING

Gallbladder

OBSERVATIONS

Brain  
Harderian Gland  
    Note: ADENOMA      TGLs = 3  
Kidney  
    Note: INFLAMMATION      TGLs = 2  
Liver  
  
Lung  
Mesentery  
Ovary  
    Note: INFLAMMATION      TGLs = 2  
Oviduct  
    Note: INFLAMMATION      TGLs = 2  
Spleen  
    Note: HEMA CELL PROL      TGLs = 4  
Uterus  
  
    Note: INFLAMMATION      TGLs = 2

Capsule  
  
  
Mediastinum  
  
  
Endometrium

Mineralization  
Adenoma  
  
Inflammation  
  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
Inflammation  
Inflammation  
  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Hyperplasia  
Inflammation

Mild  
  
  
Suppurative, Marked  
  
Moderate  
Polymorphnuclr, Moderate  
Suppurative, Moderate  
Suppurative, Marked  
  
Suppurative, Marked  
  
Moderate  
  
Cystic, Mild  
Suppurative, Marked

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:01

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 21

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 530

**DOSE:** 0.01%

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 22	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 42
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Accidentally Killed	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

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**MISSING**

Intestine Large - Rectum	Intestine Small - Ileum	Nose	Parathyroid Gland
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**OBSERVATIONS**

Lung	Hemorrhage	Focal, Marked
Note: HEMORRHAGE      TGLs = 1		

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**PRIMARY CAUSE OF DEATH**      -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 4

SEX: Female

DAY ON TEST: 613

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Intestine Large	Cecum	Edema	Moderate
Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Hyperplasia	Macrophage, Minimal
		Infiltration Cellular	Polymorphnuclr, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Bronchial	Hyperplasia	Moderate
	Mandibular	Hyperplasia	Moderate
	Renal	Hyperplasia	Marked
	Bronchial	Inflammation	Suppurative, Moderate
Note: HYPERPLASIA TGLs = 3			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5,6			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 8			
Uterus		Angiectasis	Mild
	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
	Endometrium	Polyp Stromal	
		Thrombosis	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 22

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 613

**DOSE:** 0.02%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: POLYP STROMAL TGLs = 2

Note: HYPERPLASIA TGLs = 4

Note: INFLAMMATION TGLs = 4

Note: ANGIECTASIS TGLs = 1

Note: THROMBUS TGLs = 1

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Brain  
Clitoral Gland  
    Note: INFLAMMATION   TGLs = 3  
Lung  
Ovary  
    Note: CYST            TGLs = 4  
Spleen  
Stomach  
    Note: HYPERPLASIA    TGLs = 7  
    Note: INFLAMMATION   TGLs = 6  
Uterus  
    Note: HYPERPLASIA    TGLs = 5

Alveolar Epith  
Follicle  
  
  
  
  
  
Forestomach  
Forestomach  
  
  
Endometrium

Mineralization  
Inflammation  
  
Inflammation  
Metaplasia  
Cyst  
  
Hematopoietic Cell Proliferation  
Hyperplasia  
Inflammation  
  
  
  
Hyperplasia

Mild  
Suppurative, Marked  
  
Focal, Minimal  
Focal, Minimal  
  
  
Mild  
Papillary, Moderate  
Focal, Moderate  
  
  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 23                      **TRT#:** 2                      **SEX:** Female                      **DAY ON TEST:** 732  
**DOSE:** UNTREATD CONTROL                      **DISP:** Terminal Sacrifice                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mandibular	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

**MISSING**

Gallbladder

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Lymphoma Malignant Mixed	
		Nephropathy	Mild
Lung		Lymphoma Malignant Mixed	
Lymph Node	Bronchial	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Mammary Gland	Duct	Dilatation	Mild
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD    TGLs = 1			
Thyroid Gland		Degeneration	Cystic, Mild
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 23	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 483 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Thymus

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**OBSERVATIONS**

Brain		Compression	Moderate
Mammary Gland	Duct	Dilatation	Moderate
Note: DILATATION TGLs = 2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 6

SEX: Female

DAY ON TEST: 532

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Gallbladder

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Renal	Hyperplasia	Moderate
	Renal	Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 3		
Note: HYPERPLASIA	TGLs = 3		
Mesentery		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 2		
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Oviduct		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 23

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 532  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 658

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Spinal Cord	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland Note: INFLAMMATION TGLs = 9	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Moderate
Brain		Mineralization	Mild
Kidney		Infiltration Cellular	Mixed Cell, Minimal
Liver  Note: HEPATOCLR ADEN TGLs = 2		Hepatocellular Adenoma	
Lung  Note: INFILTRAT CELL TGLs = 11	Mediastinum	Infiltration Cellular	Polymorphnuclr, Moderate
Lymph Node  Note: HYPERPLASIA TGLs = 3,4	Bronchial	Inflammation	Suppurative, Marked
Mammary Gland	Iliac	Hyperplasia	Moderate
Mesentery	Renal	Hyperplasia	Mild
Ovary Note: INFLAMMATION TGLs = 6,7		Hyperplasia	Moderate
Skin Note: INFLAMMATION TGLs = 1,5	Duct	Dilatation	Mild
Spleen Note: HEMA CELL PROL TGLs = 8		Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Moderate
		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 24	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 658
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Inflammation	Suppurative, Diffuse, Moderate
Tissue NOS		Bacterium	Marked
		Hyperplasia	Neutrophil, Marked

Note: TISSUE,NOS IS SMEAR OF THORACIC CAVITY FLUID

Note: HYPERPLASIA TGLs = 10

Note: BACTERIUM TGLs = 10

Uterus	Endometrium	Hyperplasia	Cystic, Mild
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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder

OBSERVATIONS

Kidney		Hyperplasia	Lymphoid, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Renal	Angiectasis	Mild
	Iliac	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
Note: ANGIECTASIS TGLs = 7,1			
Note: HYPERPLASIA TGLs = 1,2			
Mesentery		Inflammation	Suppurative, Minimal
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 6			
Trachea	Glands	Dilatation	Mild
	Glands	Exudate	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: HYPERPLASIA TGLs = 4			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 24

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0.01%

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Brain		Mineralization	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 3		
Stomach	Forestomach	Hyperplasia	Papillary, Moderate
	Forestomach	Inflammation	Focal, Moderate
Note: HYPERPLASIA	TGLs = 4		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 2

SEX: Female

DAY ON TEST: 541

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thyroid Gland

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Trachea

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

MISSING

Thymus

OBSERVATIONS

Liver  
Lung  
Mesentery  
Ovary  
    Note: INFLAMMATION   TGLs = 1  
Spleen  
    [ Hematopoietic Cell Proliferation TGLS = 2 ]  
Uterus  
    Endometrium

Infiltration Cellular  
Congestion  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Hyperplasia  
Inflammation

Polymorphnuclr, Moderate  
Moderate  
Suppurative, Moderate  
Suppurative, Marked  
  
Moderate  
  
Cystic, Mild  
Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 4

SEX: Female

DAY ON TEST: 676

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

OBSERVATIONS

Brain  
Kidney  
  
Note: INFLAMMATION TGLs = 5  
Liver  
  
Lymph Node  
  
Note: HYPERPLASIA TGLs = 2  
Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 3  
Spleen  
Note: HEMA CELL PROL TGLs = 4  
Uterus

Capsule  
Glomerulus  
  
Mesenteric  
Mediastinal  
Mesenteric  
Renal

Mineralization  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
Inflammation  
Angiectasis  
Hyperplasia  
Hyperplasia  
Hyperplasia  
  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Hyperplasia  
Inflammation

Mild  
Suppurative, Moderate  
Moderate  
  
Minimal  
Focal, Minimal  
Mild  
Moderate  
Moderate  
Marked  
  
Suppurative, Moderate  
Suppurative, Marked  
  
Moderate  
  
Cystic, Moderate  
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 688

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Brain  
Kidney  
Liver  
    Note: LYMPH MAL LYMP TGLs = 6  
Lung  
    Note: LYMPH MAL LYMP TGLs = 5  
Lymph Node  
    Note: ANGIECTASIS TGLs = 4  
Mammary Gland  
Mesentery  
Ovary  
    Note: CYST TGLs = 2  
Spleen  
    Note: LYMPH MAL LYMP TGLs = 3  
Uterus

Mesenteric  
Mesenteric  
  
Duct  
  
Follicle  
  
Endometrium

Mineralization  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic  
  
Lymphoma Malignant Lymphocytic  
  
Angiectasis  
Lymphoma Malignant Lymphocytic  
  
Dilatation  
Lymphoma Malignant Lymphocytic  
Cyst  
  
Lymphoma Malignant Lymphocytic  
  
Hyperplasia

Minimal  
  
  
  
  
Mild  
  
Minimal  
  
  
  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 494

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Adenomatosis	Minimal
	Mediastinum	Inflammation	Suppurative, Mild
Lymph Node	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Marked
[ Inflammation TGLS = 2 ]			
Mesentery		Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: CYST TGLs = 4			
Note: INFLAMMATION TGLs = 5			
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 8			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 7			
Note: HYPERPLASIA TGLs = 6			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Natural Death

DAY ON TEST: 435

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Gallbladder

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Moderate
	Medulla	Angiectasis	Moderate
Note: ANGIECTASIS TGLs = 6			
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 8			
Lung		Congestion	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Marked
Note: INFILTRAT CELL TGLs = 9			
Note: CONGESTION TGLs = 9			
Lymph Node	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Moderate
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
[ Inflammation TGLS = 3 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 435 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
		Inflammation	Suppurative, Minimal
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 26	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 639
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

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**MISSING**

Gallbladder

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**OBSERVATIONS**

Brain	Meninges	Inflammation	Chronic, Minimal
		Mineralization	Minimal
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Mesentery	Fat	Necrosis	Minimal
Note: NECROSIS      TGLs = 1			
Ovary	Follicle	Cyst	
Note: CYST      TGLs = 2			
Skeletal Muscle		Inflammation	Suppurative, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Lung  
Ovary  
Pituitary Gland  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Spinal Cord  
Trachea

Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Peripheral Nerve  
Stomach - Forestomach  
Urinary Bladder

OBSERVATIONS

Adrenal Gland  
Brain  
Intestine Small  
    Note: LYMPH MAL MIXD TGLs = 4  
Kidney  
    Note: LYMPH MAL MIXD TGLs = 8  
Liver  
    Note: LYMPH MAL MIXD TGLs = 10  
Lymph Node  
  
    Note: LYMPH MAL MIXD TGLs = 5,9  
Skin  
    Note: LYMPH MAL MIXD TGLs = 3  
Spleen  
    Note: LYMPH MAL MIXD TGLs = 7  
Thymus  
Uterus  
    Note: HYPERPLASIA TGLs = 6

Cortex, Extra Adr Tiss  
  
Ileum  
  
  
  
  
  
Bronchial  
Inguinal  
Mediastinal  
Mesenteric  
Renal  
  
Subcut Tiss  
  
  
Endometrium

Lymphoma Malignant Mixed  
Mineralization  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
  
Lymphoma Malignant Mixed  
Hyperplasia

Mild

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 27	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 606 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Intestine Small - Ileum	Thymus
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**INSUFFICIENT TISSUE**

Pituitary Gland
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**OBSERVATIONS**

Brain	Ventricle	Mineralization	Focal, Mild
Lung Note: ALV BRON CARC TGLs = 3		Alveolar/Bronchiolar Carcinoma	
Mammary Gland	Duct	Dilatation	Minimal
Ovary Note: CYST TGLs = 1	Follicle	Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Harderian Gland
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Minimal
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 1		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild
Note: HYPERPLASIA	TGLs = 2		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Liver  
Pancreas  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

MISSING

Intestine Small - Duodenum

OBSERVATIONS

Brain  
Kidney  
Lung  
  
Mammary Gland  
Note: ADENOCARC TGLs = 2  
Ovary  
  
Note: CYST TGLs = 3  
Pituitary Gland  
Spleen  
Uterus  
Note: HYPERPLASIA TGLs = 4,5

Alveolar Epith  
  
  
Follicle  
  
  
Pars Distalis  
  
Endometrium

Mineralization  
Nephropathy  
Hyperplasia  
Metaplasia  
Adenocarcinoma  
  
Cyst  
Granuloma  
Hyperplasia  
  
Hyperplasia  
Hematopoietic Cell Proliferation  
Hyperplasia

Minimal  
Minimal  
Lymphoid, Mild  
Focal, Mild  
  
Moderate  
Moderate  
Lymphoid, Moderate  
  
Focal, Minimal  
Moderate  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 486 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Kidney
Liver	Lung	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

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**MISSING**

Gallbladder	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Jejunum
Lymph Node - Mandibular	Salivary Glands		

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**OBSERVATIONS**

Ovary [ Inflammation TGLS = 3 ]	Inflammation	Suppurative, Moderate
Spleen Note: HEMA CELL PROL TGLs = 4	Hematopoietic Cell Proliferation	Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 6

SEX: Female

DAY ON TEST: 490

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Cecum

OBSERVATIONS

Brain		Mineralization	Minimal
Heart		Inflammation	Suppurative, Mild
Kidney	Capsule	Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 5			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
	Serosa	Inflammation	Suppurative, Mild
		Necrosis	Focal, Mild
Note: HEMA CELL PROL TGLs = 6			
Note: INFILTRAT CELL TGLs = 6			
[ Necrosis TGLS = 6 ]			
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Moderate
Note: INFILTRAT CELL TGLs = 8			
Note: INFLAMMATION TGLs = 9			
Ovary		Inflammation	Suppurative, Marked
[ Inflammation TGLS = 1 ]			
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 28	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 490 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HEMA CELL PROL TGLs = 4 Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate
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[ Inflammation TGLS = 1 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 524

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Small - Duodenum	Thymus
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OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung	Mediastinum	Inflammation	Suppurative, Moderate
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3,4		
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 5		
Note: HYPERPLASIA	TGLs = 6		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 29                      **TRT#:** 4                      **SEX:** Female                      **DAY ON TEST:** 562  
**DOSE:** 0.02%                      **DISP:** Natural Death                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Adrenal Gland	Capsule, Cortex	Inflammation	Suppurative, Moderate
Note: INFLAMMATION    TGLs = 4			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Marked
Note: INFILTRAT CELL    TGLs = 7			
Lymph Node	Iliac	Hyperplasia	Marked
	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
	Iliac	Inflammation	Suppurative, Moderate
	Mediastinal	Inflammation	Suppurative, Moderate
	Renal	Inflammation	Suppurative, Moderate
Note: INFLAMMATION    TGLs = 2,3			
Note: HYPERPLASIA    TGLs = 2,3			
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION    TGLs = 5			
Skin		Inflammation	Chronic, Marked
Note: INFLAMMATION    TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 29

**TRT#:** 4  
**DOSE:** 0.02%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 562  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: HEMA CELL PROL TGLs = 9  
Uterus

Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 6

SEX: Female

DAY ON TEST: 601

DOSE: 0.01%

DISP: Natural Death

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Gallbladder

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Peripheral Nerve

Skin

Spinal Cord

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

**MISSING**

Brain

Esophagus

Intestine Large - Rectum

Lymph Node - Mandibular

Parathyroid Gland

Pituitary Gland

Salivary Glands

Thyroid Gland

**OBSERVATIONS**

Liver

Hematopoietic Cell Proliferation

Moderate

Infiltration Cellular

Polymorphnuclr, Moderate

Lung

Infiltration Cellular

Polymorphnuclr, Mild

Mesentery

Inflammation

Suppurative, Moderate

Ovary

Inflammation

Suppurative, Marked

Note: INFLAMMATION TGLs = 1

Spleen

Hematopoietic Cell Proliferation

Moderate

[ Hematopoietic Cell Proliferation TGLs = 2 ]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

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**MISSING**

Lymph Node - Mandibular	Thymus
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**OBSERVATIONS**

Liver		Vacuolization Cytoplasmic	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
	Alveolar Epith	Metaplasia	Focal, Minimal
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 729
	<b>DOSE:</b> 0.02%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Thyroid Gland		Degeneration	Cystic, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA	TGLs = 1		

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 30	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**MISSING**

Intestine Large - Rectum	Intestine Small - Ileum
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**OBSERVATIONS**

Lung		Adenomatosis	Mild
		Alveolar/Bronchiolar Adenoma	
		Inflammation	Focal, Mild
Mammary Gland	Duct	Dilatation	Minimal
Ovary	Follicle	Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spinal Cord  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Peripheral Nerve  
Stomach - Forestomach  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland

MISSING

Ovary Thymus

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Lymphoma Malignant Mixed	
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 507

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Glandular

Bone  
Gallbladder  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Trachea

OBSERVATIONS

Heart  
Kidney  
    Note: INFLAMMATION TGLs = 6  
Liver  
    Note: INFILTRAT CELL TGLs = 7  
Lung  
  
    Note: INFLAMMATION TGLs = 8  
    Note: ADENOMATOSIS TGLs = 8  
Lymph Node  
  
    Note: HYPERPLASIA TGLs = 2,3  
Mesentery  
Ovary  
  
    Note: INFLAMMATION TGLs = 4  
Parathyroid Gland  
Spleen  
    Note: HEMA CELL PROL TGLs = 5

Capsule  
  
  
  
  
  
  
  
  
  
Bronchial  
Iliac  
Renal

Follicle

Inflammation  
Inflammation  
  
Infiltration Cellular  
  
Adenomatosis  
Infiltration Cellular  
Inflammation  
  
Hyperplasia  
Hyperplasia  
Hyperplasia  
  
Inflammation  
Cyst  
Inflammation  
  
Cyst  
Hematopoietic Cell Proliferation

Suppurative, Minimal  
Suppurative, Moderate  
  
Polymorphnuclr, Moderate  
  
Minimal  
Polymorphnuclr, Mild  
Focal, Minimal  
  
Moderate  
Moderate  
Moderate  
  
Suppurative, Mild  
  
Suppurative, Marked  
  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:01

**First Dose M/F:** NA / NA

**Lab:** SRI

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<b>ANIMAL ID:</b> 31	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 507 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Thymus		Hyperplasia	Lymphoid, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Brain  
Lung

Nose  
Ovary

Uterus

Mucosa  
Follicle

Endometrium

Mineralization  
Adenomatosis  
Inflammation  
Inflammation  
Cyst  
Inflammation  
Hyperplasia

Mild  
Minimal  
Focal, Minimal  
Suppurative, Minimal  
Suppurative, Mild  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 621

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Skin  
Thymus

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Parathyroid Gland  
Spinal Cord  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Salivary Glands

OBSERVATIONS

Bone Marrow  
Brain  
Liver  
Lung  
Lymph Node  
Mesentery  
Ovary  
  
Note: INFLAMMATION TGLs = 1  
Spleen  
Uterus

Mesenteric  
  
Follicle

Endometrium

Angiectasis  
Mineralization  
Infiltration Cellular  
Infiltration Cellular  
Hyperplasia  
Inflammation  
Cyst  
Inflammation  
  
Hematopoietic Cell Proliferation  
Hyperplasia  
Inflammation

Mild  
Minimal  
Polymorphnuclr, Mild  
Polymorphnuclr, Moderate  
Mild  
Suppurative, Marked  
  
Suppurative, Marked  
  
Moderate  
Cystic, Moderate  
Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Cecum

OBSERVATIONS

Kidney		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 8		
Liver		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 9		
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mandibular	Lymphoma Malignant Histiocytic	
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 4		
Pancreas		Edema	Moderate
Note: EDEMA	TGLs = 6		
Skin	Subcut Tiss	Edema	Moderate
Note: EDEMA	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 7		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Vagina		Lymphoma Malignant Histiocytic	
Note: LYMPH MAL HIST	TGLs = 5		

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Lymphoma Malignant Mixed	
Brain		Mineralization	Minimal
Gallbladder		Lymphoma Malignant Mixed	
Intestine Small	Jejunum	Lymphoma Malignant Mixed	
	Jejunum	Perforation	
Note: PERFORATION	TGLs = 6		
Note: LYMPH MAL MIXD	TGLs = 4,5,6		
Kidney		Mineralization	Minimal
Liver		Lymphoma Malignant Mixed	
		Necrosis	Focal, Minimal
Note: NECROSIS	TGLs = 9		
Note: LYMPH MAL MIXD	TGLs = 7,8,9		
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
		Lymphoma Malignant Mixed	
Lymph Node	Axillary	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD	TGLs = 3,11,15,16		
Mammary Gland	Duct	Dilatation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 32	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 662 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Skin	Subcut Tiss Subcut Tiss	Edema Hemangioma	Minimal
Note: HEMANGIOMA TGLs = 2 Note: EDEMA TGLs = 10			
Spinal Cord	Adventitia	Lymphoma Malignant Mixed	
Spleen		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 14			
Uterus		Adenocarcinoma Hydrometra	Moderate
	Endometrium	Hyperplasia	Cystic, Marked
Note: HYPERPLASIA TGLs = 12 Note: HYDROMETRA TGLs = 13			

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Oviduct		Dilatation	Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: HYPERPLASIA TGLs = 2 [ Hyperplasia TGLS = 2 ]			
Spleen		Hyperplasia	Lymphoid, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 4	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 730
	<b>DOSE:</b> 0.02%	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Brain		Mineralization	Mild
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Ovary	Follicle	Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Marked

Note: HYPERPLASIA    TGLs = 2

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:01  
First Dose M/F: NA / NA  
Lab: SRI

ANIMAL ID: 33

TRT#: 6  
DOSE: 0.01%

SEX: Female  
DISP: Moribund Sacrifice

DAY ON TEST: 658  
HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

**OBSERVATIONS**

Brain		Mineralization	Minimal
Kidney	Renal Tubule	Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO TGLs = 4			
Liver		Vacuolization Cytoplasmic	Moderate
Note: VACUOLIZ CYTO TGLs = 5			
Spleen	Red Pulp	Depletion Cellular	Mild
Note: DEPLETION TGLs = 3			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 2			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 2

SEX: Female

DAY ON TEST: 711

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Infiltration Cellular	Polymorphnuclr, Mild
Brain		Mineralization	Mild
Kidney		Infiltration Cellular	Polymorphnuclr, Minimal
		Nephropathy	Mild
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
Lymph Node	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: CYST TGLs = 2			
Note: INFLAMMATION TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Marked
Note: HEMA CELL PROL TGLs = 4			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 34

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 711

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Mineralization	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Hyperplasia	Macrophage, Minimal
Lymph Node	Mesenteric	Angiectasis	Moderate
	Inguinal	Hyperplasia	Lymphoid, Mild
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4			
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 5			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mandibular	Mammary Gland	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Spinal Cord	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Hyperplasia	Lymphoid, Mild
Lymph Node	Mesenteric	Hyperplasia	Mild
Nose	Lumen	Exudate	Minimal
Ovary	Follicle	Cyst	
Note: CYST TGLs = 4			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7 ]			
Skin	Subcut Tiss	Fibrosis	Moderate
Note: FIBROSIS TGLs = 1,2			
Spleen		Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLS = 6 ]			
Stomach	Forestomach	Hyperplasia	Papillary, Minimal
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Cervix	Polyp Stromal	
Note: HYPERPLASIA TGLs = 5			
Note: POLYP STROMAL TGLs = 3			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 35

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 676

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

**MISSING**

Intestine Small - Ileum

**OBSERVATIONS**

Brain		Mineralization	Mild
Kidney		Infarct	Moderate
		Lymphoma Malignant Mixed	
Note: INFARCT TGLs = 7 [ Infarct TGLS = 5,6 ]			
Liver		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 10			
Lung		Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 11			
Lymph Node	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Note: LYMPH MAL MIXD TGLs = 9			
Mesentery		Lymphoma Malignant Mixed	
	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1			
Ovary	Follicle	Cyst	
Note: CYST TGLs = 3			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 12 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 35	<b>TRT#:</b> 2 <b>DOSE:</b> UNTREATD CONTROL	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 676 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Spleen		Infarct Inflammation Lymphoma Malignant Mixed	Marked Suppurative, Marked
Note: LYMPH MAL MIXD TGLs = 4 [ Inflammation TGLS = 2 ] [ Lymphoma Malignant Mixed TGLS = 2 ]			
Urinary Bladder		Lymphoma Malignant Mixed	
Uterus	Endometrium Endometrium	Hyperplasia Polyp Stromal	Cystic, Moderate
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Liver  
Pancreas  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain  
Kidney  
Lung  
  
Lymph Node  
Note: HYPERPLASIA TGLs = 2  
Mesentery  
Ovary  
  
Note: INFLAMMATION TGLs = 3,4  
Spleen  
Note: HEMA CELL PROL TGLs = 6  
Thyroid Gland  
Uterus  
Note: HYPERPLASIA TGLs = 5

Glomerulus  
  
Renal  
  
Follicle  
  
  
  
Endometrium

Mineralization  
Inflammation  
Adenomatosis  
Inflammation  
Hyperplasia  
  
Inflammation  
Cyst  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Degeneration  
Hyperplasia

Moderate  
Mild  
Minimal  
Focal, Minimal  
Moderate  
  
Suppurative, Marked  
  
Suppurative, Marked  
  
Moderate  
  
Cystic, Moderate  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 6

SEX: Female

DAY ON TEST: 518

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Moderate
Liver	Serosa	Inflammation	Suppurative, Mild
Lung		Inflammation	Suppurative, Moderate
Lymph Node	Mediastinal, Renal	Hyperplasia	Moderate
[ Hyperplasia TGLS = 2 ]			
Mesentery		Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5 ]			
Uterus		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Focal, Moderate
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Mild
		Inflammation	Focal, Mild
Lymph Node	Mandibular	Hyperplasia	Mild
	Mediastinal	Hyperplasia	Mild
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Note: CYST	TGLs = 3		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION	TGLs = 4		
Note: HYPERPLASIA	TGLs = 4		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 485

DOSE: 0.02%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Parathyroid Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

MISSING

Lymph Node - Mandibular

Lymph Node - Mesenteric

OBSERVATIONS

Brain  
Liver  
Lung  
Lymph Node  
  
Note: HYPERPLASIA TGLs = 1,2  
Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 3  
Spleen  
Note: HEMA CELL PROL TGLs = 4  
Urethra  
  
Uterus  
Note: INFLAMMATION TGLs = 3

Iliac  
Mediastinal  
Renal

Mineralization  
Hematopoietic Cell Proliferation  
Inflammation  
Hyperplasia  
Hyperplasia  
Hyperplasia  
  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
  
Inflammation  
Mineralization  
Inflammation

Mild  
Mild  
Suppurative, Mild  
Mild  
Mild  
Mild  
  
Suppurative, Moderate  
Suppurative, Marked  
  
Moderate  
  
Suppurative, Moderate  
Moderate  
Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 6

SEX: Female

DAY ON TEST: 504

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland Note: INFLAMMATION TGLs = 3	Capsule, Cortex	Inflammation	Suppurative, Moderate
Brain		Mineralization	Minimal
Kidney	Papilla	Inflammation	Suppurative, Moderate
		Necrosis	Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
Lung	Serosa	Inflammation	Suppurative, Mild
		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Mild
Lymph Node	Mediastinal	Inflammation	Focal, Minimal
	Mesenteric	Hyperplasia	Moderate
Mesentery		Hyperplasia	Moderate
Ovary Note: INFLAMMATION TGLs = 1		Inflammation	Suppurative, Moderate
		Inflammation	Suppurative, Marked
Spleen Note: HEMA CELL PROL TGLs = 2			
		Hematopoietic Cell Proliferation	Moderate
Uterus Note: INFLAMMATION TGLs = 1	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 504
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Small - Duodenum  
Liver  
Parathyroid Gland  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Intestine Large - Rectum

Lymph Node - Mandibular

OBSERVATIONS

Brain  
Kidney  
  
Lung  
  
Mammary Gland  
Note: ADENOCARC TGLs = 1,2  
Ovary  
Note: LUTEOMA TGLs = 3  
Skeletal Muscle  
Spleen  
Note: HEMA CELL PROL TGLs = 5  
Uterus  
Note: HYPERPLASIA TGLs = 4

Adventitia  
  
Endometrium

Mineralization  
Hyperplasia  
Mineralization  
Adenomatosis  
Infiltration Cellular  
Inflammation  
Adenocarcinoma  
  
Luteoma  
  
Inflammation  
Hematopoietic Cell Proliferation  
  
Hyperplasia

Mild  
Lymphoid, Minimal  
Minimal  
Minimal  
Polymorphnuclr, Moderate  
Focal, Minimal  
Multiple  
  
Focal, Minimal  
Moderate  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spinal Cord  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla  
Glomerulus

Developmental Malformation  
Inflammation  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
Infiltration Cellular  
Angiectasis  
Hematopoietic Cell Proliferation  
Hyperplasia  
Hyperplasia  
Hyperplasia

Moderate  
Moderate  
Polymorphnucl, Moderate  
Polymorphnucl, Mild  
Moderate  
Moderate  
Moderate  
Mild  
Moderate

Note: ANGIECTASIS TGLs = 6

Mesentery  
Ovary

Follicle

Inflammation  
Cyst  
Inflammation

Suppurative, Marked  
Suppurative, Marked

Note: INFLAMMATION TGLs = 3

Note: CYST TGLs = 2

Pituitary Gland  
Spleen

Pars Distalis

Hyperplasia  
Hematopoietic Cell Proliferation

Focal, Minimal  
Moderate

Note: HEMA CELL PROL TGLs = 5

Uterus

Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:01

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 37

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.02%

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Leiomyoma

Note: HYPERPLASIA TGLs = 1

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02  
 Test Type: CHRONIC  
 Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
 Test Compound: Roxarsone  
 CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
 Time Report Requested: 10:57:01  
 First Dose M/F: NA / NA  
 Lab: SRI

**ANIMAL ID:** 37

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 504  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Liver		Infiltration Cellular Necrosis	Polymorphnuclr, Mild Multifocal, Minimal
Lung	Mediastinum	Adenomatosis Inflammation Inflammation Thrombosis	Mild Suppurative, Moderate Focal, Mild
Lymph Node	Mediastinal	Hyperplasia	Mild
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Moderate
[ Inflammation TGLS = 2 ]			
Parathyroid Gland		Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 466

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mammary Gland
Nose	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Urinary Bladder		

MISSING

Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Thymus
Thyroid Gland	Trachea		

OBSERVATIONS

Adrenal Gland Note: CONGESTION TGLs = 8	Cortex	Congestion	Mild
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Minimal
		Congestion	Mild
		Inflammation	Focal, Minimal
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 10			
Note: CONGESTION TGLs = 9			
Note: ADENOMATOSIS TGLs = 10			
Lymph Node Note: HYPERPLASIA TGLs = 3	Renal	Hyperplasia	Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary [ Inflammation TGLS = 6 ]		Inflammation	Suppurative, Marked
Spleen Note: HEMA CELL PROL TGLs = 7		Hematopoietic Cell Proliferation	Moderate
Uterus Note: HYPERPLASIA TGLs = 5	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 38	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 466
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Mineralization	Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Suppurative, Moderate
Lymph Node	Mesenteric	Angiectasis	Moderate
	Iliac	Hyperplasia	Moderate
	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Moderate
Note: ANGIECTASIS	TGLs = 8		
Note: INFLAMMATION	TGLs = 9		
Note: HYPERPLASIA	TGLs = 9,1,2		
Mesentery		Inflammation	Suppurative, Marked
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: CYST	TGLs = 3		
Note: INFLAMMATION	TGLs = 4		
Peripheral Nerve	Sciatic	Hyperplasia	Lymphoid, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 6		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 38

**TRT#:** 4  
**DOSE:** 0.02%

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Uterus

Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Suppurative, Moderate

Note: HYPERPLASIA TGLs = 5

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Brain		Compression	
		Mineralization	Minimal
[ Compression TGLS = 5 ]			
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Mammary Gland	Duct	Dilatation	Minimal
Nose	Mucosa	Inflammation	Suppurative, Minimal
Ovary	Follicle	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4			
Uterus		Hemangioma	Multiple
	Endometrium	Hyperplasia	Cystic, Moderate
Note: HEMANGIOMA TGLs = 2,3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 508

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Brain		Mineralization	Mild
Kidney	Capsule	Inflammation	Suppurative, Mild
Note: INFLAMMATION TGLs = 7			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung	Mediastinum	Adenomatosis	Mild
		Inflammation	Suppurative, Minimal
		Inflammation	Focal, Mild
Note: ADENOMATOSIS TGLs = 8			
Note: INFLAMMATION TGLs = 8			
Lymph Node	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4,5			
Oviduct		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 2 <b>DOSE:</b> UNTREATD CONTROL	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 508 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate
Note: INFLAMMATION TGLs = 5			
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 39	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 601 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

<b>NORMAL</b>			
Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Liver
Mammary Gland	Nose	Peripheral Nerve	Pituitary Gland
Skin	Spinal Cord	Thymus	Urinary Bladder

<b>MISSING</b>			
Lymph Node - Mandibular	Lymph Node - Mesenteric	Parathyroid Gland	Salivary Glands
Spleen	Thyroid Gland	Trachea	

<b>AUTO PRECLUDES DIAG.</b>			
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Pancreas	Stomach - Forestomach	Stomach - Glandular	

<b>OBSERVATIONS</b>			
Bone Marrow		Angiectasis	Mild
Harderian Gland		Adenoma	
Lung		Adenomatosis	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Lumbar	Hyperplasia	Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 1,2			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

<b>PRIMARY CAUSE OF DEATH</b>	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 6

SEX: Female

DAY ON TEST: 532

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Lymph Node	Renal	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 1			
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: CYST TGLs = 2			
Note: INFLAMMATION TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 493

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation	Mild
Lung		Congestion	Mild
		Hyperplasia	Macrophage, Mild
		Infiltration Cellular	Polymorphnuclr, Mild
		Mineralization	Mild
Note: MINERALIZATION TGLs = 7			
Note: HYPERPLASIA TGLs = 7			
Note: INFILTRAT CELL TGLs = 7			
Lymph Node	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Moderate
[ Inflammation TGLS = 3 ]			
Mesentery		Inflammation	Suppurative, Mild
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 5			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 6			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Brain  
Heart  
Kidney  
Liver  
Lung  
  
Lymph Node  
Note: HYPERPLASIA TGLs = 1  
Mammary Gland  
Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 2  
Spleen  
Uterus  
  
Note: HYPERPLASIA TGLs = 3

Artery  
  
  
  
  
  
Renal  
  
Duct  
  
  
  
  
Endometrium

Mineralization  
Inflammation  
Metaplasia  
Hematopoietic Cell Proliferation  
Adenomatosis  
Alveolar/Bronchiolar Adenoma  
Inflammation  
Hyperplasia  
  
Dilatation  
Inflammation  
Inflammation  
  
Hematopoietic Cell Proliferation  
Hyperplasia  
Inflammation

Mild  
Chronic, Moderate  
Osseous, Mild  
Moderate  
Minimal  
  
Focal, Minimal  
Marked  
  
Minimal  
Suppurative, Marked  
Suppurative, Marked  
  
Moderate  
Cystic, Moderate  
Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 6

SEX: Female

DAY ON TEST: 522

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Liver		Hematopoietic Cell Proliferation Infiltration Cellular	Moderate Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 5			
Note: HEMA CELL PROL TGLs = 5			
Lung		Adenomatosis Infiltration Cellular	Mild Polymorphnuclr, Mild
	Mediastinum	Inflammation	Suppurative, Moderate
Lymph Node	Mediastinal	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 3			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 4			
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Marked Suppurative, Moderate
Note: INFLAMMATION TGLs = 3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:01  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 40

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 522  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:01

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

OBSERVATIONS

Brain  
Harderian Gland  
Kidney  
Liver  
Lung

Mineralization  
Hyperplasia  
Infiltration Cellular  
Infiltration Cellular  
Alveolar/Bronchiolar Adenoma  
Infiltration Cellular  
Inflammation  
Mineralization

Mild  
Focal, Mild  
Polymorphnuclr, Mild  
Polymorphnuclr, Moderate  
  
Polymorphnuclr, Mild  
Focal, Mild  
Minimal

Note: ALV BRON ADEN TGLs = 8  
Lymph Node

Mediastinal  
Mediastinal  
Mesenteric

Cyst  
Hyperplasia  
Hyperplasia

Moderate  
Moderate

Note: CYST TGLs = 7  
Note: HYPERPLASIA TGLs = 6

Mesentery  
Ovary

Inflammation  
Inflammation

Suppurative, Marked  
Suppurative, Marked

Note: INFLAMMATION TGLs = 4,5  
Spleen

Hematopoietic Cell Proliferation

Moderate

Note: HEMA CELL PROL TGLs = 3  
Uterus

Endometrium

Hyperplasia  
Inflammation

Cystic, Moderate  
Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 41

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 684

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: 0.02%

DISP: Terminal Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Salivary Glands  
Stomach - Forestomach

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Peripheral Nerve  
Spinal Cord  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Ovary  
Pituitary Gland  
Spleen  
Urinary Bladder

**MISSING**

Lymph Node - Mandibular

Thymus

**OBSERVATIONS**

Brain  
Mammary Gland  
Thyroid Gland  
Uterus

Duct

Endometrium

Mineralization  
Dilatation  
Degeneration  
Hyperplasia

Minimal  
Minimal  
Cystic, Minimal  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 6

DOSE: 0.01%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 494

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Inflammation	Suppurative, Moderate
Heart		Inflammation	Suppurative, Minimal
Kidney	Capsule	Inflammation	Suppurative, Minimal
Note: INFLAMMATION TGLs = 6			
Liver		Hematopoietic Cell Proliferation Infiltration Cellular	Moderate Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 8			
Note: HEMA CELL PROL TGLs = 8			
Lung		Adenomatosis Inflammation	Mild Focal, Mild
Lymph Node	Mediastinal Renal	Hyperplasia Hyperplasia	Moderate Marked
Note: HYPERPLASIA TGLs = 2			
Mesentery		Inflammation	Suppurative, Moderate
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02  
Test Type: CHRONIC  
Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
Test Compound: Roxarsone  
CAS Number: 121-19-7

Date Report Requested: 10/23/2014  
Time Report Requested: 10:57:02  
First Dose M/F: NA / NA  
Lab: SRI

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<b>ANIMAL ID:</b> 42	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 732
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

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**OBSERVATIONS**

Brain		Mineralization	Mild
Harderian Gland		Adenoma	
Kidney		Hyperplasia	Lymphoid, Minimal
Liver		Hyperplasia	Lymphoid, Minimal
Lung		Adenomatosis	Minimal
		Hyperplasia	Lymphoid, Minimal
		Inflammation	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 2

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 4

SEX: Female

DAY ON TEST: 591

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Myelofibrosis	Mild
Kidney		Lymphoma Malignant Lymphocytic	
		Nephropathy	Moderate
Liver		Fibrosis	Mild
		Hemangiosarcoma	
		Lymphoma Malignant Lymphocytic	
		Necrosis	Focal, Minimal
Note: HEMANGIOSARC TGLs = 2,3 [ Necrosis TGLS = 10 ]			
Lung		Lymphoma Malignant Lymphocytic	
Lymph Node	Iliac	Hyperplasia	Moderate
	Renal	Hyperplasia	Moderate
	Mandibular	Lymphoma Malignant Lymphocytic	
Note: HYPERPLASIA TGLs = 5,4 [ Lymphoma Malignant Lymphocytic TGLS = 7 ]			
Mammary Gland	Duct	Dilatation	Moderate
Spleen		Hematopoietic Cell Proliferation	Marked
[ Hematopoietic Cell Proliferation TGLS = 8 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spinal Cord  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Peripheral Nerve  
Spleen  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Brain  
Lung  
  
Ovary  
Pituitary Gland  
Stomach  
  
Note: HYPERPLASIA TGLs = 4  
Uterus  
Note: HYPERPLASIA TGLs = 3

Follicle  
Pars Distalis  
Forestomach  
Forestomach  
  
Endometrium

Mineralization  
Adenomatosis  
Inflammation  
Cyst  
Hyperplasia  
Hyperplasia  
Inflammation  
  
Hyperplasia

Mild  
Mild  
Focal, Mild  
  
Focal, Mild  
Papillary, Mild  
Focal, Mild  
  
Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: UNTREATD CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
Lymph Node	Alveolar Epith	Hyperplasia	Focal, Moderate
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	
	Mesenteric	Lymphoma Malignant Mixed	
Ovary	Follicle	Cyst	
Note: CYST			
TGLs = 4			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Lymphoma Malignant Mixed	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA			
TGLs = 3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 0.02%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Liver		Congestion	Moderate
		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
Lymph Node	Mesenteric	Angiectasis	Mild
	Mesenteric	Hematopoietic Cell Proliferation	Mild
	Mediastinal	Hyperplasia	Moderate
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Renal	Hyperplasia	Moderate
	Mediastinal	Inflammation	Suppurative, Marked
Note: ANGIECTASIS TGLs = 9 [ Inflammation TGLS = 3 ]			
Mesentery		Inflammation	Suppurative, Marked
Nose	Nasolacrim Dct	Inflammation	Minimal
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 6 Note: CYST TGLs = 5			
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 43	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 710 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: HEMA CELL PROL TGLs = 8 Thyroid Gland		Degeneration Inflammation	Cystic, Minimal Suppurative, Minimal
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Mild
Note: HYPERPLASIA TGLs = 7			
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 6

SEX: Female

DAY ON TEST: 634

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spinal Cord  
Trachea

MISSING

Thymus

OBSERVATIONS

Brain  
Kidney  
    Note: INFLAMMATION TGLs = 4  
Liver  
Lung  
    Note: CONGESTION TGLs = 6  
    [ Congestion TGLS = 5 ]  
Mesentery  
Ovary  
    Note: INFLAMMATION TGLs = 2  
Skin  
    Note: INFLAMMATION TGLs = 1  
Spleen  
    Note: HEMA CELL PROL TGLs = 3  
Uterus

Capsule

Endometrium

Mineralization  
Infiltration Cellular  
Inflammation  
Hematopoietic Cell Proliferation  
Infiltration Cellular  
Congestion  
Infiltration Cellular  
Inflammation  
Inflammation  
Inflammation  
Hematopoietic Cell Proliferation  
Hyperplasia  
Inflammation

Mild  
Mixed Cell, Mild  
Suppurative, Moderate  
Mild  
Polymorphnuclr, Moderate  
Minimal  
Polymorphnuclr, Moderate  
Suppurative, Marked  
Suppurative, Marked  
Chronic, Marked  
Moderate  
Cystic, Moderate  
Suppurative, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 43

**TRT#:** 6  
**DOSE:** 0.01%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 634  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 666

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Hyperplasia	Lymphoid, Mild
		Pigmentation	Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Hepatocellular Carcinoma	
Note: HEPATOCLR CARC	TGLs = 2		
Note: HEMA CELL PROL	TGLs = 2		
Lung		Adenomatosis	Mild
		Hyperplasia	Lymphoid, Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS	TGLs = 5,6		
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Ovary	Follicle	Cyst	
Note: CYST	TGLs = 3		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 4		
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 44	<b>TRT#:</b> 4 <b>DOSE:</b> 0.02%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 730 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

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**OBSERVATIONS**

Kidney		Nephropathy	Mild
Pituitary Gland	Pars Intermed	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

Note: HYPERPLASIA TGLs = 1

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 44      **TRT#:** 6      **SEX:** Female      **DAY ON TEST:** 626  
**DOSE:** 0.01%      **DISP:** Natural Death      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Liver		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Polymorphnuclr, Minimal
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Moderate
	Mediastinal	Hyperplasia	Mild
	Renal	Hyperplasia	Marked
Note: ANGIECTASIS	TGLs = 7		
Note: HYPERPLASIA	TGLs = 3		
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4,5		
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 6		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 45

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 626

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla	Blood	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

**MISSING**

Thymus

**OBSERVATIONS**

Adrenal Gland	Cortex	Hematopoietic Cell Proliferation	Moderate
Brain		Mineralization	Mild
Kidney	Renal Tubule	Degeneration	Hyaline, Mild
		Infiltration Cellular	Polymorphnuclr, Moderate
Note: INFILTRAT CELL TGLs = 8			
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Note: HEMA CELL PROL TGLs = 9			
Note: INFILTRAT CELL TGLs = 9			
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Minimal
Note: INFLAMMATION TGLs = 10			
Note: ADENOMATOSIS TGLs = 10			
Lymph Node	Bronchial	Bacterium	Moderate
	Bronchial	Inflammation	Suppurative, Moderate
	Bronchial	Lymphoma Malignant Mixed	
	Inguinal	Lymphoma Malignant Mixed	
	Mandibular	Lymphoma Malignant Mixed	
	Mediastinal	Lymphoma Malignant Mixed	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 45	<b>TRT#:</b> 2 <b>DOSE:</b> UNTREATD CONTROL	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 626 <b>HISTO:</b>
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: LYMPH MAL MIXD TGLs = 2,11 Note: BACTERIUM TGLs = 11 Note: INFLAMMATION TGLs = 11	Mesenteric	Lymphoma Malignant Mixed	
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 6			
Skin	Subcut Tiss	Edema	Moderate
Note: EDEMA TGLs = 4			
Spleen		Hematopoietic Cell Proliferation Lymphoma Malignant Mixed	Moderate
Note: HEMA CELL PROL TGLs = 7 [ Hematopoietic Cell Proliferation TGLS = 7 ]			
Thyroid Gland		Degeneration	Cystic, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
<b>PRIMARY CAUSE OF DEATH</b>	-		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 45

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 730

**DOSE:** 0.02%

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

**MISSING**

Parathyroid Gland

**OBSERVATIONS**

Brain  
Lung  
Uterus  
Note: HYPERPLASIA TGLs = 2

Mineralization  
Alveolar/Bronchiolar Adenoma  
Hyperplasia

Endometrium

Mild  
Cystic, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 6

SEX: Female

DAY ON TEST: 650

DOSE: 0.01%

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Mineralization	Mild
Kidney		Infiltration Cellular	Mixed Cell, Mild
	Capsule	Inflammation	Suppurative, Moderate
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Mild
		Inflammation	Suppurative, Moderate
Lymph Node	Bronchial, Mediastinal	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 6		
Note: HYPERPLASIA	TGLs = 6		
Mesentery		Inflammation	Suppurative, Marked
Nose	Lumen	Exudate	Minimal
	Lumen	Foreign Body	Minimal
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4,5		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 2		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02

**Test Type:** CHRONIC

**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Roxarsone

**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014

**Time Report Requested:** 10:57:02

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 45

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 650

**DOSE:** 0.01%

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Inflammation

Suppurative, Mild

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 2

SEX: Female

DAY ON TEST: 638

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Skin  
Thymus

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Spinal Cord  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Mammary Gland  
Peripheral Nerve  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Salivary Glands

OBSERVATIONS

Bone Marrow  
Kidney  
Liver  
Lung

Angiectasis  
Hyperplasia  
Infiltration Cellular  
Adenomatosis  
Infiltration Cellular  
Inflammation  
Angiectasis  
Inflammation  
Inflammation

Moderate  
Lymphoid, Minimal  
Polymorphnuclr, Mild  
Minimal  
Polymorphnuclr, Moderate  
Focal, Minimal  
Moderate  
Suppurative, Moderate  
Suppurative, Marked

Lymph Node  
Mesentery  
Ovary

Mesenteric

Hematopoietic Cell Proliferation  
Hyperplasia

Moderate  
Cystic, Moderate

Note: INFLAMMATION TGLs = 2

Spleen  
Uterus

Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 46	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 521 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**OBSERVATIONS**

Lung		Alveolar/Bronchiolar Carcinoma	
Note: ALV BRON CARC	TGLs = 2		
Nose	Lumen	Exudate	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 556

DOSE: UNTREATD CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Esophagus
Gallbladder	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea		

MISSING

Intestine Large - Cecum	Intestine Small - Jejunum	Urinary Bladder
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OBSERVATIONS

Adrenal Gland Note: CONGESTION TGLs = 6	Cortex	Congestion	Mild
Brain		Mineralization	Mild
Heart	Artery	Inflammation	Suppurative, Moderate
Kidney Note: INFILTRAT CELL TGLs = 7		Thrombosis	Moderate
Liver Note: CONGESTION TGLs = 9		Infiltration Cellular	Polymorphnuclr, Moderate
Lung Note: ADENOMATOSIS TGLs = 11 Note: CONGESTION TGLs = 10		Congestion	Moderate
Lymph Node Note: HYPERPLASIA TGLs = 2	Renal	Infiltration Cellular	Polymorphnuclr, Marked
Mesentery		Inflammation	Mild
Ovary		Inflammation	Mild
		Infiltration Cellular	Polymorphnuclr, Moderate
		Inflammation	Focal, Mild
		Hyperplasia	Moderate
		Inflammation	Suppurative, Marked
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 556
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: INFLAMMATION TGLs = 3,4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Uterus	Endometrium	Hyperplasia Inflammation	Cystic, Moderate Suppurative, Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 4

DOSE: 0.02%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 485

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Brain  
Kidney  
    Note: SARCOMA      TGLs = 6  
Liver  
    Note: SARCOMA      TGLs = 7  
    Note: HEMA CELL PROL   TGLs = 7  
Lung  
Lymph Node  
    Note: HYPERPLASIA    TGLs = 2  
    Note: SARCOMA      TGLs = 2  
Mesentery  
    Note: SARCOMA      TGLs = 1  
Ovary  
    Note: SARCOMA      TGLs = 4  
Spleen  
    Note: HEMA CELL PROL   TGLs = 8  
Uterus

Renal  
Renal

Endometrium

Mineralization  
Sarcoma  
Hematopoietic Cell Proliferation  
Sarcoma  
Sarcoma  
Hyperplasia  
Sarcoma  
Sarcoma  
Sarcoma  
Hematopoietic Cell Proliferation  
Hyperplasia

Mild  
Mild  
Metastatic (Uncertain Primary Site)  
Moderate  
Moderate  
Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 47

**TRT#:** 4  
**DOSE:** 0.02%

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 485  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Sarcoma

Note: SARCOMA      TGLs = 5

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 0.01%

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spinal Cord  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Peripheral Nerve  
Spleen  
Thyroid Gland

OBSERVATIONS

Brain  
Lung

Pituitary Gland  
Uterus

Alveolar Epith  
Pars Distalis  
Endometrium

Mineralization  
Hyperplasia  
Hyperplasia  
Metaplasia  
Hyperplasia  
Hyperplasia

Mild  
Macrophage, Minimal  
Lymphoid, Minimal  
Focal, Minimal  
Focal, Minimal  
Cystic, Moderate

Note: HYPERPLASIA TGLs = 2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 48	<b>TRT#:</b> 2	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 452
	<b>DOSE:</b> UNTREATD CONTROL	<b>DISP:</b> Natural Death	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Gallbladder	Intestine Small - Ileum	Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex, Extra Adr Tiss	Inflammation	Suppurative, Marked
Liver		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Moderate
Lymph Node	Mediastinal	Hyperplasia	Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
[ Inflammation TGLS = 3 ]			
Oviduct		Inflammation	Suppurative, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 5			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: HYPERPLASIA TGLs = 4			

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 48

**TRT#:** 4  
**DOSE:** 0.02%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 581  
**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

**OBSERVATIONS**

Liver		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Moderate
Lymph Node	Mandibular	Hyperplasia	Moderate
	Pancreatic	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 1			
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 2,3			
Pancreas		Atrophy	Focal, Minimal
Note: ATROPHY TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Moderate
[ Hematopoietic Cell Proliferation TGLS = 5 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Moderate
Note: INFLAMMATION TGLs = 4			

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 48

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 614

**DOSE:** 0.01%

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

**MISSING**

Gallbladder	Thymus
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**OBSERVATIONS**

Kidney		Infiltration Cellular	Polymorphnuclr, Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Mild
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
		Infiltration Cellular	Polymorphnuclr, Minimal
Lymph Node	Mediastinal	Hyperplasia	Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 49

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 684

**DOSE:** UNTREATD CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**OBSERVATIONS**

Brain		Mineralization	Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Minimal
		Infiltration Cellular	Polymorphnuclr, Moderate
	Mediastinum	Inflammation	Suppurative, Moderate
		Inflammation	Focal, Minimal
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION TGLs = 4			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 3			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 4

SEX: Female

DAY ON TEST: 561

DOSE: 0.02%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Brain		Mineralization	Minimal
Liver		Infiltration Cellular	Polymorphnuclr, Mild
Lung		Congestion	Moderate
	Mediastinum	Inflammation	Suppurative, Moderate
Note: CONGESTION	TGLs = 3		
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 2		
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 6

SEX: Female

DAY ON TEST: 671

DOSE: 0.01%

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Peripheral Nerve  
Spinal Cord  
Thyroid Gland

Adrenal Gland - Medulla  
Gallbladder  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus

OBSERVATIONS

Brain  
Kidney  
Liver  
  
Note: INFILTRAT CELL TGLs = 7  
Note: HEMA CELL PROL TGLs = 7  
Lung

Mineralization  
Nephropathy  
Hematopoietic Cell Proliferation  
Infiltration Cellular

Mild  
Minimal  
Mild  
Polymorphnucl, Moderate

Lymph Node  
  
Note: HYPERPLASIA TGLs = 2  
Note: HYPERPLASIA TGLs = 1

Iliac  
Lumbar

Adenomatosis  
Infiltration Cellular  
Inflammation  
Hyperplasia  
Hyperplasia

Mild  
Polymorphnucl, Moderate  
Suppurative, Mild  
Marked  
Marked

Mesentery  
Ovary  
Note: INFLAMMATION TGLs = 4  
Spleen  
Note: HEMA CELL PROL TGLs = 6  
Uterus

Inflammation  
Inflammation

Suppurative, Moderate  
Suppurative, Marked

Endometrium

Hematopoietic Cell Proliferation  
  
Hyperplasia  
Inflammation

Moderate  
  
Cystic, Moderate  
Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 671
	<b>DOSE:</b> 0.01%	<b>DISP:</b> Natural Death	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05058-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Roxarsone

CAS Number: 121-19-7

Date Report Requested: 10/23/2014

Time Report Requested: 10:57:02

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 716

DOSE: UNTREATD CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Mineralization	Minimal
Kidney		Infiltration Cellular	Polymorphnuclr, Mild
		Nephropathy	Mild
Liver		Hematopoietic Cell Proliferation	Moderate
		Infiltration Cellular	Polymorphnuclr, Moderate
Lung		Adenomatosis	Mild
		Infiltration Cellular	Polymorphnuclr, Mild
		Inflammation	Focal, Mild
Note: ADENOMATOSIS	TGLs = 6		
Note: INFLAMMATION	TGLs = 6		
Lymph Node	Mesenteric	Angiectasis	Moderate
Mesentery		Inflammation	Suppurative, Marked
Ovary	Follicle	Cyst	
		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 3,4		
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spinal Cord	Meninges	Hyperplasia	Lymphoid, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL	TGLs = 5		
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 50                      **TRT#:** 4                      **SEX:** Female                      **DAY ON TEST:** 594  
**DOSE:** 0.02%                      **DISP:** Natural Death                      **HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Gallbladder	Heart
Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

**MISSING**

Intestine Large - Cecum

**AUTO PRECLUDES DIAG.**

Intestine Small - Duodenum                      Intestine Small - Ileum                      Intestine Small - Jejunum

**OBSERVATIONS**

Kidney		Fibrosis	Mild
		Inflammation	Suppurative, Moderate
		Mineralization	Mild
	Papilla	Necrosis	Moderate
Liver		Hematopoietic Cell Proliferation	Marked
Lung		Infiltration Cellular	Polymorphnuclr, Marked
Mesentery		Inflammation	Suppurative, Marked
Ovary		Inflammation	Suppurative, Marked
Note: INFLAMMATION    TGLs = 1			
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
		Inflammation	Suppurative, Moderate

**PRIMARY CAUSE OF DEATH**                      -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05058-02  
**Test Type:** CHRONIC  
**Species/Strain:** Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Roxarsone  
**CAS Number:** 121-19-7

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 10:57:02  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 50	<b>TRT#:</b> 6 <b>DOSE:</b> 0.01%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b>
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Gallbladder	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

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**MISSING**

Intestine Large - Rectum	Parathyroid Gland
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**OBSERVATIONS**

Brain	Mineralization	Mild
Uterus	Endometrium	Cystic, Moderate
Note: HYPERPLASIA TGLs = 1		

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**PRIMARY CAUSE OF DEATH** -

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