

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

<b>C Number:</b>	C20114
<b>Lock Date:</b>	06/24/2002
<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>	NONE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97885
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

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

* Heart		Cardiomyopathy	Focal, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE.			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97886
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Kidney	Nephropathy	Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE.		
* Salivary Glands	Parotid GI	Basophilic Focus
		Multiple, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97887
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart	Cardiomyopathy	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97888
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Oral Mucosa		Inflammation	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97889

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Kidney		Nephropathy	Minimal
* Liver		Hematopoietic Cell Proliferation	Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE.			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Testes		Atrophy	Minimal
[ Atrophy TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97890

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0 MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97891
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**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

* Heart	Cardiomyopathy	Focal, Minimal
* Liver	Hematopoietic Cell Proliferation	Focal, Minimal
* Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97892

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	Lymph Node	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
* Pituitary Gland	Pars Distalis	Cyst	Minimal
* Preputial GI			
Note: NO CORRELATING LESION FOR TGLS 1-8.			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97893

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Heart		Cardiomyopathy	Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Oral Mucosa		Inflammation	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97894

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Liver	Centrilobular	Vacuolization Cytoplasmic	Minimal
Lymph Node			

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 11

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97895

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

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**OBSERVATIONS**

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 12

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97896

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lung	Lymph Node	Lymph Node, Mesenteric
Mammary Gland	Nose	Oral Mucosa	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Salivary Glands	Parotid GI	Basophilic Focus
		Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 62.5MG/L

DISP: Terminal Sacrifice

HISTO: 97897

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 14

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97898

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Pituitary Gland	Pars Distalis	Cyst	Mild

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 62.5MG/L

DISP: Terminal Sacrifice

HISTO: 97899

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Infiltration Cellular	Mixed Cell, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 62.5MG/L

DISP: Terminal Sacrifice

HISTO: 97900

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lung	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Eye

Note: NO OPTIC NERVES PRESENT.

Heart

Cardiomyopathy

Focal, Minimal

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Minimal

Salivary Glands

Parotid GI

Basophilic Focus

Multiple, Minimal

Testes

Note: ONLY ONE TESTIS PRESENT ON SLIDE.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 17

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97901

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Liver
Lymph Node	Oral Mucosa	Stomach, Forestomach	Stomach, Glandular
Tongue			

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**OBSERVATIONS**

Lymph Node  
Note: PANCREATIC LYMPH NODE - INSUFFICIENT TISSUE

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 18

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97902

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Liver
Lymph Node	Oral Mucosa	Stomach, Forestomach	Stomach, Glandular
Tongue			

---

**OBSERVATIONS**

Lymph Node  
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

---

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 19

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97903

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

---

**ANIMAL ID:** 20

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97904

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Lymph Node

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

---

**OBSERVATIONS**

Lymph Node

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 5 <b>DOSE:</b> 125MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97905
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Kidney	Lymph Node	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

---

**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 22

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97906

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow  
Stomach, Forestomach

Liver  
Stomach, Glandular

Lymph Node  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Kidney  
Lymph Node

Infiltration Cellular  
Nephropathy

Histiocyte, Minimal  
Minimal

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 23

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97907

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Lymph Node

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

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**OBSERVATIONS**

Liver

Inflammation

Chronic, Focal, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 24

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97908

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 25

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97909

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 26

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97910

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

---

**OBSERVATIONS**

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97911

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Liver
Lung	Lymph Node	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Preputial GI			
Note: NO CORRELATING LESION FOR TGLS 1-8			
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97912

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Liver
Lymph Node	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Salivary Glands	Parotid GI	Basophilic Focus
		Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97913

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lung	Lymph Node	Lymph Node, Mesenteric
Mammary Gland	Nose	Oral Mucosa	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 30

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97914

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Liver
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Preputial Gland
Prostate	Seminal Vesicle	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Testes	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Kidney		Casts Protein	Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Cyst	Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97915

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Brain	Epididymis
Esophagus	Eye	Harderian Gland	Intestine Large, Cecum
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum
Liver	Lung	Lymph Node	Mammary Gland
Nose	Oral Mucosa	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Testes	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Adrenal Cortex		Hyperplasia	Focal, Minimal
Bone Marrow		Hyperplasia	Minimal
Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Kidney		Nephropathy	Minimal
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 32

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97916

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Liver	Lung
Lymph Node, Mesenteric	Mammary Gland	Nose	Oral Mucosa
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Kidney		Nephropathy	Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Pars Distalis	Angiectasis	Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 33	<b>TRT#:</b> 7 <b>DOSE:</b> 250MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97917
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Kidney	Liver	Lymph Node	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

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**OBSERVATIONS**

Bone Marrow	Hyperplasia	Minimal
Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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PRIMARY CAUSE OF DEATH

-

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**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 34

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97918

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow  
Stomach, Forestomach

Kidney  
Stomach, Glandular

Liver  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Lymph Node

Pancreatic

Infiltration Cellular  
Infiltration Cellular

Histiocyte, Minimal  
Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97919

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lymph Node	Lymph Node, Mesenteric	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Lymph Node, Mandibular	Mammary Gland
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**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Salivary Glands	Parotid GI	Basophilic Focus
		Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 36	<b>TRT#:</b> 7	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 250MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 97920

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Kidney	Liver	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

---

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 37

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97921

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow  
Stomach, Forestomach

Kidney  
Stomach, Glandular

Liver  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Lymph Node

Pancreatic  
Pancreatic

Infiltration Cellular  
Hyperplasia  
Infiltration Cellular

Histiocyte, Minimal  
Lymphoid, Minimal  
Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 38

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97922

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	Harderian Gland
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Ileum
Intestine Small, Jejunum	Kidney	Liver	Lymph Node
Mammary Gland	Nose	Oral Mucosa	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Adrenal Cortex		Accessory Adrenal Cortical Nodule	
Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97923

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lung	Lymph Node	Mammary Gland
Nose	Oral Mucosa	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Testes	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97924

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Liver
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Pancreas	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

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

Heart	Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 41

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97925

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow  
\* Stomach, Glandular

Liver  
Tongue

Oral Mucosa

\* Stomach, Forestomach

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Kidney  
Lymph Node

Pancreatic

Infiltration Cellular  
Nephropathy  
Ectasia

Histiocyte, Minimal  
Minimal  
Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97926

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
Tongue		Granuloma	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97927

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node, Mandibular	Mammary Gland
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**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Kidney		Nephropathy	Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Lung		Inflammation	Chronic, Focal, Mild
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97928

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Liver
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Skin
Spleen	* Stomach, Forestomach	* Stomach, Glandular	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 45

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97929

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Lung
Mammary Gland	Nose	Oral Mucosa	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
* Stomach, Forestomach	* Stomach, Glandular	Testes	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
Lymph Node, Mesenteric		Ectasia	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97930

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lymph Node	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Skin	Spleen	* Stomach, Forestomach	Testes
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Lung	Alveolar Epith, Bronchiole	Hyperplasia	Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Stomach, Glandular		Ulcer	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 47	<b>TRT#:</b> 9 <b>DOSE:</b> 500MG/L	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97931
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Liver	Lymph Node	Oral Mucosa
* Stomach, Forestomach	* Stomach, Glandular	Tongue	

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**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Kidney	Nephropathy	Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 48

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97932

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow  
Tongue

Oral Mucosa

\* Stomach, Forestomach

\* Stomach, Glandular

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**OBSERVATIONS**

Intestine Small, Duodenum  
Kidney  
Lymph Node

Pancreatic

Infiltration Cellular  
Casts Protein  
Infiltration Cellular

Histiocyte, Mild  
Minimal  
Histiocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97933

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

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

Heart		Cardiomyopathy	Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Kidney		Nephropathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 50

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97934

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Lymph Node

Oral Mucosa

\* Stomach, Forestomach

\* Stomach, Glandular

Tongue

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Acute, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
[ Infiltration Cellular TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Moderate
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Marked
[ Hyperplasia TGLS = 2-21 ]			
[ Ulcer TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Focal, Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Moderate
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Moderate
[ Ulcer TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97937

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Focal, Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
[ Ectasia TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Minimal
		Ulcer	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Focal, Minimal
* Heart		Cardiomyopathy	Focal, Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
[ Infiltration Cellular TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Moderate
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Mild
[ Hyperplasia TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97939

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Infiltration Cellular	Mixed Cell, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Minimal
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97940

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Testes	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[ Ectasia TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Forestomach		Ulcer	Moderate
[ Ulcer TGLS = 4-22 ]			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
[ Hyperplasia TGLS = 3-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Harderian Gland		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 2-7 ]			
[ Infiltration Cellular TGLS = 2-7 ]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Moderate
[ Ulcer TGLS = 3-21, 4-22 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97942

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97943

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

**MISSING**

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

* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Mediastinal	Hemorrhage	Minimal
[ Ectasia TGLS = 1-7 ]			
[ Hemorrhage TGLS = 2-3 ]			
* Pancreas	Acinus	Atrophy	Focal, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Liver	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular
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OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
[ Ectasia TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Moderate
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Mild
[ Hyperplasia TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97945

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Kidney  
\* Mammary Gland  
\* Pancreas  
\* Skin  
\* Thymus  
\* Urinary Bladder

\* Adrenal Medulla  
\* Clitoral Gland  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Nose  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Oral Mucosa  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Tongue

\* Bone Marrow  
\* Eye  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

Lymph Node                      Pancreatic                      Infiltration Cellular                      Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 62

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97946

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

\* Adrenal Cortex  
\* Brain  
\* Harderian Gland  
\* Intestine Large, Rectum  
\* Kidney  
\* Mammary Gland  
\* Pancreas  
\* Skin  
\* Thymus  
\* Urinary Bladder

\* Adrenal Medulla  
\* Clitoral Gland  
\* Heart  
\* Intestine Small, Duodenum  
\* Liver  
\* Nose  
\* Parathyroid Gland  
\* Spleen  
\* Thyroid Gland  
\* Uterus

\* Bone  
\* Esophagus  
\* Intestine Large, Cecum  
\* Intestine Small, Ileum  
\* Lung  
\* Oral Mucosa  
\* Pituitary Gland  
\* Stomach, Forestomach  
\* Tongue

\* Bone Marrow  
\* Eye  
\* Intestine Large, Colon  
\* Intestine Small, Jejunum  
\* Lymph Node, Mesenteric  
\* Ovary  
\* Salivary Glands  
\* Stomach, Glandular  
\* Trachea

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

Lymph Node                      Pancreatic                      Infiltration Cellular                      Histiocyte, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 63

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97947

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

- \* Adrenal Cortex
- \* Brain
- \* Harderian Gland
- \* Intestine Large, Rectum
- \* Kidney
- Oral Mucosa
- \* Pituitary Gland
- \* Stomach, Forestomach
- Tongue

- \* Adrenal Medulla
- \* Clitoral Gland
- \* Heart
- \* Intestine Small, Duodenum
- \* Liver
- \* Ovary
- \* Salivary Glands
- \* Stomach, Glandular
- \* Trachea

- \* Bone
- \* Esophagus
- \* Intestine Large, Cecum
- \* Intestine Small, Ileum
- \* Mammary Gland
- \* Pancreas
- \* Skin
- \* Thymus
- \* Urinary Bladder

- \* Bone Marrow
- \* Eye
- \* Intestine Large, Colon
- \* Intestine Small, Jejunum
- \* Nose
- \* Parathyroid Gland
- \* Spleen
- \* Thyroid Gland

**MISSING**

- \* Lymph Node, Mandibular

**OBSERVATIONS**

- \* Lung
- Lymph Node
- \* Lymph Node, Mesenteric
- \* Uterus

Pancreatic

- Inflammation
- Infiltration Cellular
- Infiltration Cellular
- Hydrometra

- Chronic, Focal, Minimal
- Histiocyte, Minimal
- Histiocyte, Minimal
- Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97948

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Liver	* Lung	Lymph Node
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

Lymph Node

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Uterus		Hydrometra	Mild

[ Hydrometra TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 65

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97949

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Lung	Lymph Node	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Heart		Cardiomyopathy	Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97950

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE [ Hemorrhage TGLS = 1-21 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

\* Stom Gland

Note: PORTION ADJACENT TO LIMITING RIDGE IS MISSING.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97951

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Liver		Inflammation	Chronic, Focal, Minimal
* Lung		Metaplasia	Osseous, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stom Forestom			
Note: MUCOSA OF LIMITING RIDGE IS INCOMPLETE			
* Stom Gland			
Note: MUCOSA ADJACENT TO LIMITING RIDGE IS INCOMPLETE.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	Lymph Node	* Lymph Node, Mesenteric	* Mammary Gland
Mesentery	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
* Ovary		Cyst	Mild
* Pituitary Gland	Rathkes Cleft	Cyst	
* Stom Forestom			
Note: LIMITING RIDGE IS MISSING			
* Stom Gland			
Note: PORTION ADJACENT TO LIMITING RIDGE IS MISSING			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97953

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

**MISSING**

\* Lymph Node, Mandibular

**OBSERVATIONS**

* Clitoral Gland [ Ectasia TGLS = 1-8 ]	Duct	Ectasia	Mild
* Heart		Cardiomyopathy	Focal, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node [ Hemorrhage TGLS = 2-7 ]	Pancreatic	Hemorrhage	Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 97954

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

**MISSING**

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

* Liver		Hepatodiaphragmatic Nodule	
[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]			
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[ Hemorrhage TGLS = 1-3 ]			
* Ovary		Cyst	Mild
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:08  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 71	<b>TRT#:</b> 4 <b>DOSE:</b> 62.5MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97955
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

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**OBSERVATIONS**

Liver		Infiltration Cellular Inflammation	Histiocyte, Minimal Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 72

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97956

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:08

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 62.5MG/L

DISP: Terminal Sacrifice

HISTO: 97957

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Liver	Lymph Node	Lymph Node, Mesenteric
Mammary Gland	Nose	Oral Mucosa	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Uterus

**MISSING**

Lymph Node, Mandibular	Urinary Bladder
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**INSUFFICIENT TISSUE**

Skin

**OBSERVATIONS**

Lung	Inflammation	Chronic, Focal, Minimal
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Lymph Node

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 74

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97958

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

**ANIMAL ID:** 75

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97959

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Lymph Node	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Liver	Inflammation	Chronic, Focal, Minimal
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:08

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

**Lab:** SRI

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**ANIMAL ID:** 76

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97960

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

---

**OBSERVATIONS**

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 77

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97961

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Liver		Inflammation	Chronic, Focal, Minimal
Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Stom Forestom			
Note: LIMITING RIDGE IS MISSING.			
Stom Gland			
Note: PORTION NEAR LIMITING RIDGE IS MISSING.			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 78

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97962

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

---

**OBSERVATIONS**

Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Stom Gland			

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Note: MUCOSA ADJACENT TO LIMITING RIDGE IS INCOMPLETE.

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 79

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97963

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Liver		Infiltration Cellular	Histiocyte, Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 80

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 62.5MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97964

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow

Intestine Small, Duodenum

Kidney

Liver

Oral Mucosa

Stomach, Forestomach

Stomach, Glandular

Tongue

---

**OBSERVATIONS**

Lymph Node

Pancreatic

Infiltration Cellular

Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 81

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97965

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Liver	Lung	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 82	<b>TRT#:</b> 6	<b>SEX:</b> Female	<b>DAY ON TEST:</b> 93
	<b>DOSE:</b> 125MG/L	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b> 97966

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Kidney	Oral Mucosa	Stomach, Forestomach
Stomach, Glandular	Tongue		

---

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 83	<b>TRT#:</b> 6 <b>DOSE:</b> 125MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97967
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

---

**OBSERVATIONS**

Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 84

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97968

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow  
Stomach, Forestomach

Intestine Small, Duodenum  
Stomach, Glandular

Kidney  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Liver  
Lymph Node

Pancreatic  
Pancreatic

Inflammation  
Hyperplasia  
Infiltration Cellular

Chronic, Focal, Minimal  
Lymphoid, Minimal  
Histiocyte, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97969

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Infiltration Cellular	Histiocyte, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Pituitary Gland	Rathkes Cleft	Cyst

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97970

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 87

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97971

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum
Kidney	Lymph Node	Mammary Gland	Nose
Oral Mucosa	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Liver	Infiltration Cellular	Histiocyte, Minimal
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Ovary	Cyst	

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 88

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97972

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Lung	Lymph Node, Mesenteric
Mammary Gland	Nose	Oral Mucosa	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Harderian Gland		Inflammation	Chronic, Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Kidney	Pelvis	Inflammation	Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
Uterus		Hydrometra	Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 125MG/L

DISP: Terminal Sacrifice

HISTO: 97973

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[ Infiltration Cellular TGLS = 1-7 ]			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 90

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 125MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97974

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow  
Stomach, Forestomach

Kidney  
Stomach, Glandular

Liver  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Lymph Node

Pancreatic

Infiltration Cellular  
Infiltration Cellular

Histiocyte, Minimal  
Histiocyte, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 91

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97975

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Lung
Lymph Node, Mandibular	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**INSUFFICIENT TISSUE**

Parathyroid Gland

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Kidney		Casts Protein	Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Rathkes Cleft	Cyst	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97976

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node	Lymph Node, Mesenteric	Mammary Gland
Nose	Oral Mucosa	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach, Forestomach	Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart	Cardiomyopathy	Focal, Minimal
Liver	Inflammation	Chronic, Focal, Minimal
Lymph Node		

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 93

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97977

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow  
Stomach, Forestomach

Kidney  
Stomach, Glandular

Lymph Node  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Liver

Infiltration Cellular  
Infiltration Cellular  
Inflammation  
Necrosis

Histiocyte, Minimal  
Histiocyte, Minimal  
Chronic, Focal, Minimal  
Focal, Minimal

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Lymph Node

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 94

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97978

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Duodenum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach, Forestomach	Stomach, Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Heart		Cardiomyopathy	Focal, Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97979

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Heart	Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Lung
Lymph Node, Mesenteric	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Harderian Gland		Inflammation	Chronic, Focal, Minimal
Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 1-21 ]			
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 96	<b>TRT#:</b> 8 <b>DOSE:</b> 250MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97980
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Kidney	Oral Mucosa
Stomach, Forestomach	Stomach, Glandular	Tongue	

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**OBSERVATIONS**

Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 97	<b>TRT#:</b> 8 <b>DOSE:</b> 250MG/L	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 93 <b>HISTO:</b> 97981
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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow	Kidney	Oral Mucosa	Stomach, Forestomach
Stomach, Glandular	Tongue		

---

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 98

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97982

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow  
Stomach, Forestomach

Kidney  
Stomach, Glandular

Lymph Node  
Tongue

Oral Mucosa

---

**OBSERVATIONS**

Intestine Small, Duodenum  
Liver

Infiltration Cellular  
Infiltration Cellular  
Inflammation

Histiocyte, Mild  
Histiocyte, Minimal  
Chronic, Focal, Minimal

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Lymph Node

Note: PANCREATIC LYMPH NODE - NOT REMARKABLE

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 99

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 250MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97983

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 250MG/L

DISP: Terminal Sacrifice

HISTO: 97984

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Mammary Gland	Nose	Oral Mucosa	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach, Forestomach	Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Infiltration Cellular	Histiocyte, Minimal
Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 1-7 ]			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97985

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Skin	Spleen	* Stomach, Forestomach
* Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Mild
Lymph Node			
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97986

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	* Stomach, Forestomach
* Stomach, Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Thyroid Gland			

Note: ONLY ONE THYROID GLAND PRESENT

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

**ANIMAL ID:** 103

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97987

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Mammary Gland	Nose	Oral Mucosa
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	* Stomach, Forestomach	* Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Pituitary Gland	Rathkes Cleft	Cyst	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 500MG/L

DISP: Terminal Sacrifice

HISTO: 97988

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lymph Node	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	* Stomach, Forestomach	* Stomach, Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
Liver	Infiltration Cellular	Histiocyte, Minimal
Lung	Inflammation	Chronic, Focal, Minimal
Lymph Node		
Note: PANCREATIC LYMPH NODE - NOT REMARKABLE		
Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa	Dysplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 105

**TRT#:** 10  
**DOSE:** 500MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93  
**HISTO:** 97989

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Intestine Small, Duodenum	Lymph Node	Oral Mucosa
* Stomach, Forestomach	* Stomach, Glandular	Tongue	

---

**OBSERVATIONS**

Kidney		Casts Protein	Minimal
Liver		Infiltration Cellular	Histiocyte, Mild

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 106

**TRT#:** 10  
**DOSE:** 500MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93  
**HISTO:** 97990

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Bone Marrow	Kidney	Oral Mucosa	* Stomach, Forestomach
* Stomach, Glandular	Tongue		

---

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 107

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97991

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Harderian Gland	Heart	Intestine Large, Cecum	Intestine Large, Colon
Intestine Large, Rectum	Intestine Small, Ileum	Intestine Small, Jejunum	Kidney
Lung	Lymph Node, Mesenteric	Mammary Gland	Nose
Oral Mucosa	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
* Stomach, Forestomach	* Stomach, Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Focal, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]			
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Infiltration Cellular TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 108

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97992

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Cortex	Adrenal Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Eye
Intestine Large, Cecum	Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum
Intestine Small, Ileum	Intestine Small, Jejunum	Kidney	Lung
Mammary Gland	Nose	Oral Mucosa	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Skin
Spleen	* Stomach, Forestomach	* Stomach, Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

**MISSING**

Lymph Node, Mandibular

**OBSERVATIONS**

Harderian Gland		Infiltration Cellular	Lymphoid, Mild
Heart		Cardiomyopathy	Focal, Minimal
Liver		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[ Infiltration Cellular TGLS = 2-7 ]			
Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01  
**Test Type:** 90-DAY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Sodium dichromate dihydrate (VI)  
**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 15:26:09  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 109

**TRT#:** 10  
**DOSE:** 500MG/L

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 93  
**HISTO:** 97993

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone Marrow	Kidney	Oral Mucosa	* Stomach, Forestomach
* Stomach, Glandular	Tongue		

**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Infiltration Cellular	Histiocyte, Minimal
		Necrosis	Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Mild

[ Infiltration Cellular TGLS = 1-7 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 110

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 500MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97994

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

Bone Marrow	Kidney	Oral Mucosa	* Stomach, Forestomach
* Stomach, Glandular	Tongue		

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**OBSERVATIONS**

Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Hemorrhage	Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal

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[ Hemorrhage TGLS = 2-7 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Focal, Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 2-21 ]			
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
[ Ectasia TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stom Forestom			
Note: NO CORRELATING LESIONS FOR TGLS 3-22.			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 111

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97995

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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: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Minimal
[ Ectasia TGLS = 1-7 ]			
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stom Forestom			
Note: NO CORRELATING LESIONS FOR TGLS 2-21.			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Moderate
[ Ulcer TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Casts Protein	Minimal
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
[ Infiltration Cellular TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Stom Forestom			
Note: NO CORRELATING LESIONS FOR TGLS 2-21.			
* Stomach, Glandular		Degeneration	Cystic, Minimal
	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Marked
[ Ulcer TGLS = 2-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 113

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 97997

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Moderate
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	Mild
* Pituitary Gland	Rathkes Cleft	Cyst	
* Stom Forestom			
Note: NO CORRELATING LESIONS FOR TGLS 2-21.			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Minimal
	Muscularis	Inflammation	Chronic Active, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 97999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Pancreatic	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
[ Hemorrhage TGLS = 1-7 ]			
* Pituitary Gland	Rathkes Cleft	Cyst	
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Minimal
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Marked

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 98000

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

**MISSING**

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

\* Clitoral Gland

**OBSERVATIONS**

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
[ Ectasia TGLS = 1-7 ]			
[ Hyperplasia TGLS = 1-7 ]			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Marked
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Marked
[ Ulcer TGLS = 3-21, 2-4 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 98001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Moderate
[ Hyperplasia TGLS = 3-21 ]			
[ Ulcer TGLS = 2-4 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 98002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Mammary Gland	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Minimal
	Mediastinal	Hemorrhage	Mild
	Pancreatic	Hyperplasia	Lymphoid, Minimal
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 2-7 ]			
[ Hemorrhage TGLS = 3-3 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Rathkes Cleft	Cyst	
* Stomach, Forestomach	Muscularis	Inflammation	Chronic Active, Focal, Mild
Note: NO CORRELATING LESION FOR TGLS 4-21.			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Moderate
* Uterus		Hydrometra	Mild
[ Hydrometra TGLS = 1-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 98003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

\* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
* Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[ Ectasia TGLS = 1-7 ]			
* Ovary		Cyst	Mild
* Pituitary Gland	Rathkes Cleft	Cyst	
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Minimal
* Stom Forestom			
Note: NO CORRELATING LESION FOR TGLS 2-21.			
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Moderate
		Ulcer	Marked

[ Ulcer TGLS = 2-21 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 119

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 98003

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/22/2014

Time Report Requested: 15:26:09

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 93

DOSE: 1000 MG/L

DISP: Terminal Sacrifice

HISTO: 98004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Lung
* Mammary Gland	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

\* Lymph Node, Mandibular

INSUFFICIENT TISSUE

\* Adrenal Cortex

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Focal, Minimal
[ Hepatodiaphragmatic Nodule TGLS = 3-21 ]			
[ Inflammation TGLS = 2-22 ]			
Lymph Node	Pancreatic	Ectasia	Mild
	Pancreatic	Hyperplasia	Lymphoid, Mild
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[ Ectasia TGLS = 1-7 ]			
[ Infiltration Cellular TGLS = 1-7 ]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Salivary Glands	Parotid GI	Basophilic Focus	Multiple, Mild
* Stomach, Glandular	Epithelium	Hyperplasia	Regenerative, Focal, Mild
	Epithelium	Metaplasia	Squamous, Focal, Mild
		Ulcer	Marked
[ Ulcer TGLS = 2-22 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-01

**Test Type:** 90-DAY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Sodium dichromate dihydrate (VI)

**CAS Number:** 7789-12-0

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 15:26:09

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

**Lab:** SRI

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**ANIMAL ID:** 120

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 93

**DOSE:** 1000 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 98004

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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

\* PROTOCOL REQUIRED TISSUE