

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:31
First Dose M/F: NA / NA
Lab: SRI

C Number: C20114
Lock Date: 10/04/2005
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 01/26/2007

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 617

HISTO: 104603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Mild
		[Leukemia Mononuclear TGLS = 2-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		Note: MONONUCLEAR CELL LEUKEMIA IS PRESENT ON SLIDES 5 AND 21.	
		[Leukemia Mononuclear TGLS = 5-21]	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
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CAS Number: 7789-12-0

Date Report Requested: 10/17/2014
Time Report Requested: 11:20:31
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 617
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104603

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 7-22]	Fat	Necrosis	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Skin [Hemangioma TGLS = 8-23]	Subcut Tiss	Hemangioma	
* Spleen [Leukemia Mononuclear TGLS = 1-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Regeneration	
[Leukemia Mononuclear TGLS = 5-6]			
[Regeneration TGLS = 7-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-21]			
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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CAS Number: 7789-12-0

Date Report Requested: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104604

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
* Thymus		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Natural Death	DAY ON TEST: 666 HISTO: 104605
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Thrombosis	Moderate
[Thrombosis TGLS = 7-12]			
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
[Hyperplasia TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 666
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 104605

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 8-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

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Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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CAS Number: 7789-12-0

Date Report Requested: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Granuloma Sperm	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Atrophy	Minimal
* Pancreas		Inflammation	Chronic, Mild
* Preputial Gland		Hyperkeratosis	Mild
* Skin			
	[Hyperkeratosis TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Date Report Requested: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104606

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Test Compound: Sodium dichromate dihydrate (VI)

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Date Report Requested: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104607

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	* Islets, Pancreatic	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 3-23]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-21]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104607

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 9-3]			
Tongue	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 10-22]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Marked
[Thrombosis TGLS = 8-12]			
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
[Hyperplasia TGLS = 5-6]			
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Marked
Note: HEMOSIDERIN-LIKE PIGMENT PRESENT IN SOME OF THE INFILTRATING HISTIOCYTES (ALVEOLAR MACROPHAGES).			
[Infiltration Cellular TGLS = 7-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-5]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,2-21]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:31
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 639
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 104608

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]			
* Skin		Cyst	Moderate
Note: SKIN CYST RESEMBLES A LARGE CYSTICALLY DILATED HAIR FOLLICLE CONTAINING DESQUAMATED FOLLICULAR EPITHELIAL CELLS AND NECROTIC CELL DEBRIS.			
[Cyst TGLS = 10-22]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Stomach, Glandular		Erosion	Mild
		Lipoma	
[Lipoma TGLS = 11-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
PRIMARY CAUSE OF DEATH	- Heart	Thrombosis	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 520

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104609

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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Pigmentation	Moderate
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 5-7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-21]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

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Test Compound: Sodium dichromate dihydrate (VI)

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Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 520

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104609

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 687

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Fatty, Marked Diffuse, Moderate
[Degeneration TGLS = 3-10]			
[Hyperplasia TGLS = 3-10]			
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Degeneration Fatty Change	Cystic, Minimal Moderate
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

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Species/Strain: Rat/F 344/N

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CAS Number: 7789-12-0

Date Report Requested: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 687
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104610

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-10]			
* Heart		Cardiomyopathy	Moderate
Note: CARDIOMYOPATHY INVOLVES PRIMARILY THE ATRIA.			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-22]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 9	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104611

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-5]		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Minimal
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
[Leukemia Mononuclear TGLS = 1-21]			
[Necrosis TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 689

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Oral Mucosa	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
		Thrombosis	Marked
	[Thrombosis TGLS = 6-12]		
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
	Kupffer Cell	Leukemia Mononuclear	
		Pigmentation	Mild
	[Hyperplasia TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Thrombosis	Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 7-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:31
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 10	TRT#: 1 DOSE: 0 MG/L	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 689 HISTO: 104612
ORGAN AND ACCOUNTABLE SITE STATUS			
Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Marked
* Nose	Respirat Epith	Foreign Body Hyperplasia Inflammation	Minimal Chronic, Minimal
* Pancreas	Lymph Follic	Leukemia Mononuclear	
* Spleen		Atrophy Fibrosis Pigmentation	Moderate Moderate Moderate
[Atrophy TGLS = 1-6]			
* Stomach, Forestomach	Epithelium	Edema Hyperplasia	Moderate Mild
* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Lymph Node, Mesenteric Leukemia Mononuclear		
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104613

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, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Erosion	Mild
* Intestine Small, Ileum		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Carcinoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 3-23]			
[Hyperplasia TGLS = 2-22,4-8]			
* Pancreas		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Prostate		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104613

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin
[Hyperkeratosis TGLS = 1-21]

Inflammation
Hyperkeratosis

Chronic, Moderate
Moderate

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Interstit Cell
Germinal Epith

Adenoma
Atrophy

Marked

[Adenoma TGLS = 5-7]

Tongue

Epithelium

Hyperplasia

Mild

[Hyperplasia TGLS = 8-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104614

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-21,3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104614

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104615

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104615

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-22]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104616

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Liver	Centrilobular	Leukemia Mononuclear	
		Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 9-6]		
	[Necrosis TGLS = 9-6]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Alveolar/Bronchiolar Adenoma TGLS = 10-26]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Minimal
	[Necrosis TGLS = 4-22]		
* Nose		Foreign Body	
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 677

HISTO: 104617

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Leukemia Mononuclear

Hyperplasia

Focal, Mild

* Preputial Gland

Adenoma

Cyst

Moderate

Inflammation

Chronic, Marked

[Adenoma TGLS = 3-8]

[Cyst TGLS = 2-24]

[Inflammation TGLS = 2-24]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-21]

* Spleen

Accessory Spleen

Leukemia Mononuclear

[Accessory Spleen TGLS = 8-23]

[Leukemia Mononuclear TGLS = 7-25]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 104618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung
Lymph Node, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
[Compression TGLS = 13-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Marked
* Liver		Basophilic Focus	
		Degeneration	Cystic, Marked
		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 10-23]			
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:31

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104618

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8,2-21]		Leukemia Mononuclear Hyperplasia	Marked
Mesentery Note: MESOTHELIOMA IS PRESENT ON SLIDES 2, 7, 7-1, 12, 22, AND 24. [Mesothelioma Malignant TGLS = 6-22,12-24]		Mesothelioma Malignant	
* Pancreas Acinus		Cyst Hyperplasia	Moderate Focal, Mild
* Pituitary Gland [Adenoma TGLS = 14-1]	Pars Distalis	Adenoma	
* Prostate		Leukemia Mononuclear	
* Spleen [Fibrosis TGLS = 16-6] [Leukemia Mononuclear TGLS = 7-6]		Fibrosis Leukemia Mononuclear	Mild
* Testes [Adenoma TGLS = 15-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104619

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	* Islets, Pancreatic	* Lymph Node, Mesenteric
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Moderate
		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	Multiple
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 5-23,6-24]		
	[Hyperplasia TGLS = 4-22]		
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104619

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]	Germinal Epith	Atrophy	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 104620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	Tongue	* Trachea	* Urinary Bladder

MISSING

* Esophagus	* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 4-22,5-21]			
* Lung		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
* Preputial Gland		Adenoma	
* Skin		Cyst Epithelial Inclusion	
Note: EPITHELIAL INCLUSION CYSTS HAVE UNDERGONE DISSOLUTION.			
[Cyst Epithelial Inclusion TGLS = 1-23]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Necrosis TGLS = 3-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104620

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Eye		Cataract	Mild
	Retina	Degeneration	Moderate
[Cataract TGLS = 1-44]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Clear Cell Focus	
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Marked
[Hyperplasia TGLS = 3-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104621

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 696

HISTO: 104622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone	Cranium	Osteopetrosis	Mild
	[Osteopetrosis TGLS = 10-24]		
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 7-21]		
	[Hyperplasia TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104622

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Pancreatic [Leukemia Mononuclear TGLS = 3-7]		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 9-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-23]			
* Stomach, Glandular		Erosion	Mild
		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Marked
[Compression TGLS = 10-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-5]			
* Liver		Degeneration	Cystic, Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Leukemia Mononuclear	
[Ectasia TGLS = 5-3]			
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 721

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104623

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 7-8,8-21]		Hyperplasia	Marked
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy Cyst	Moderate Moderate
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma	
* Prostate [Inflammation TGLS = 6-7-1]		Inflammation	Chronic, Mild
* Skin [Cyst Epithelial Inclusion TGLS = 11-22]		Cyst Epithelial Inclusion	
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 4-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Moderate
* Preputial Gland		Adenoma	
		Carcinoma	
		Hyperplasia	Mild
[Adenoma TGLS = 2-8]			
[Carcinoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104624

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin
[Fibroma TGLS = 1-21]

Subcut Tiss

Fibroma

* Stomach, Glandular

Hyperplasia

Minimal

* Testes
[Adenoma TGLS = 3-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104625

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, Duodenum	* Lung
* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	
		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 679
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104625

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 1-21]			
[Squamous Cell Carcinoma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-7]			
* Thyroid Gland	Follicle	Cyst	Moderate
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Skin Squamous Cell Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Intestine Small, Jejunum	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-23]			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
* Pancreas		Atrophy	Minimal
* Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Sarcoma	

Note: THE SARCOMA ON SLIDE 22 HAS INVADDED THE VERTEBRAL CANAL AND IS ENCROACHING ON THE SPINAL CORD.

[Cyst Epithelial Inclusion TGLS = 1-21]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104626

ORGAN AND ACCOUNTABLE SITE STATUS

[Sarcoma TGLS = 4-22]

Spinal Cord

Vacuolization Cytoplasmic

Moderate

Note: SPINAL CORD VACUOLIZATION IS PRESENT IN THE SECTION ON SLIDE 22.

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 696

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
* Bone Marrow		Hemorrhage	Marked
* Harderian Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 14-12]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Marked
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Fatty Change TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Sarcoma	Metastatic (Skin)
[Sarcoma TGLS = 8-22,9-23,10-24,11-25,12-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 696
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104627

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 15-1]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 16-26+26-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
		Leukemia Mononuclear	
		Metaplasia	Lipocyte, Mild
[Hematopoietic Cell Proliferation TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
[Metaplasia TGLS = 4-27]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
[Hyperplasia TGLS = 13-3]			
PRIMARY CAUSE OF DEATH	-		
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland Pars Distalis	Adenoma;Spleen	Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104628

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, Jejunum	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Adrenal Medulla

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-5]		
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 652
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104629

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7] Mesentery		Leukemia Mononuclear	
	Fat	Mesothelioma Malignant Necrosis	Moderate
Note: MESOTHELIOMA IS ON SLIDES 7-1 AND 21. [Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Mesentery Mesothelioma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104630

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, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	
[Leukemia Mononuclear TGLS = 9-6]			
[Regeneration TGLS = 10-24]			
* Lung	Alveolar Epith	Hemorrhage	Minimal
		Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104630

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 8-8,2-22,1-21]

* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Hyperkeratosis	Moderate

[Hyperkeratosis TGLS = 3-23]

* Spleen		Leukemia Mononuclear	
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[Leukemia Mononuclear TGLS = 5-6]

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Moderate

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 5-3]			
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104631

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia	Minimal
* Skin [Fibrosarcoma TGLS = 2-21]	Subcut Tiss	Fibrosarcoma	
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104632

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	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-22]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 734

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104632

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Cyst

Moderate

Angiectasis

Moderate

* Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

[Hematopoietic Cell Proliferation TGLS = 4-6]

[Leukemia Mononuclear TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
		[Angiectasis TGLS = 2-1]	
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1-7]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104633

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Mild
		[Fatty Change TGLS = 4-6]	
		[Leukemia Mononuclear TGLS = 4-6]	
		[Necrosis TGLS = 4-6]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-21]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104635

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

Tongue

Hemorrhage

Mild

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 104636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Lymph Node, Pancreatic
* Mammary Gland	Oral Mucosa	* Parathyroid 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

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 104636

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration Leukemia Mononuclear	Moderate Fatty, Moderate
* Adrenal Medulla		Hyperplasia Leukemia Mononuclear	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-1]			
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Necrosis Nephropathy	Minimal Mild
* Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 587

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104637

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-22]		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Mammary Gland		Hyperplasia	Mild
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Preputial Gland		Leukemia Mononuclear	
* Prostate		Inflammation	Chronic, Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-23]			
* Stomach, Forestomach		Edema	Moderate
		Ulcer	Marked
[Ulcer TGLS = 11-4]			
* Stomach, Glandular		Erosion	Moderate
		Leukemia Mononuclear	
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 6-10]		
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 8-23]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 3-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-1]		
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104638

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Basal Cell Adenoma Keratoacanthoma	
	[Basal Cell Adenoma TGLS = 2-22] [Keratoacanthoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
	[Adenoma TGLS = 4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Edema	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 5-6]		
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104639

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 6-22]

* Nose	Respirat Epith	Hyperplasia Inflammation	Minimal Chronic, Mild
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	

[Fibroma TGLS = 1-21]

* Spleen		Leukemia Mononuclear Necrosis	Mild
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[Leukemia Mononuclear TGLS = 3-23]

* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Minimal
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[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
[Hyperplasia TGLS = 2-6]		Hyperplasia	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: BACKGROUND HEMOSIDERIN PIGMENT IN DEEP CERVICAL LYMPH NODE; NOT TABULATED.			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Adenoma	
		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 104640

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 482

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Skin
Spinal Cord	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 4-5]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-26,15-27]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
[Leukemia Mononuclear TGLS = 13-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 482
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104641

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-5]		Leukemia Mononuclear	
Lymph Node, Pancreatic [Leukemia Mononuclear TGLS = 7-7]		Leukemia Mononuclear	
Mesentery [Accessory Spleen TGLS = 9-22] [Necrosis TGLS = 3-21]	Fat	Accessory Spleen Necrosis	Mild
* Pancreas		Atrophy	Minimal
* Prostate Note: A PORTION OF PROSTATE IS ON SLIDE 8.			
* Spleen [Leukemia Mononuclear TGLS = 2-25]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 17-28]		Erosion	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 727

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Islets, Pancreatic	* Kidney
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

INSUFFICIENT TISSUE

* Intestine Large, Rectum	Tongue
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Marked
[Thrombosis TGLS = 6-12]			
* Liver		Degeneration	Cystic, Mild
	Centrilobular	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-22]		Necrosis	Marked
[Necrosis TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Moderate
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

DOSE: 0 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 727

HISTO: 104642

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Skin		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 8-4]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 484

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Necrosis	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 484

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104643

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-6]

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 684

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104644

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]

* Nose

Respirat Epith

Foreign Body

Hyperplasia

Inflammation

Minimal

Chronic, Minimal

* Pancreas

* Pituitary Gland

* Spleen

Pars Distalis

Leukemia Mononuclear

Hyperplasia

Leukemia Mononuclear

Necrosis

Focal, Minimal

Moderate

[Leukemia Mononuclear TGLS = 4-6]

[Necrosis TGLS = 9-6]

* Stomach, Glandular

Erosion

Hyperplasia

Moderate

Mild

[Erosion TGLS = 10-4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104645

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-7-1]			
* Skin		Hyperkeratosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104646

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE HYPERKERATOSIS MAY HAVE RESULTED FROM RUPTURED EPITHELIAL INCLUSION CYSTS.

[Hyperkeratosis TGLS = 7-22]

* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-22]			
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 4-7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104647

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin Basal Cell Adenoma

[Basal Cell Adenoma TGLS = 1-21]

* Testes Bilateral, Interstit Cell Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Atrophy	Mild
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis		
[Cyst TGLS = 3-1]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104648

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104649

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, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Harderian Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Moderate
[Cytoplasmic Alteration TGLS = 6-1]			
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 2-21,3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 652

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104649

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 5-6] Leukemia Mononuclear

* Testes [Adenoma TGLS = 1-7] Bilateral, Interstit Cell Adenoma

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104650

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	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Cyst	Moderate
Note: PANCREATIC CYST IS MULTILOCULAR AND IS SURROUNDED BY LYMPHOID TISSUE.			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
	[Hyperplasia TGLS = 2-1]		
* Preputial Gland		Adenoma	
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104650

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104651

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
	[Thrombosis TGLS = 11-12]		
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
	Renal Tubule	Pigmentation	Moderate
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
	Kupffer Cell	Pigmentation	Minimal
		Thrombosis	Mild
	[Hyperplasia TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6,7-6]		
	[Necrosis TGLS = 6-6]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104652

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 10-2] [Infiltration Cellular TGLS = 10-2] [Leukemia Mononuclear TGLS = 10-2]	Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]	Lymph Node, Pancreatic		Ectasia Infiltration Cellular Leukemia Mononuclear	Marked Histiocyte, Moderate
[Ectasia TGLS = 4-7] [Infiltration Cellular TGLS = 4-7] [Leukemia Mononuclear TGLS = 4-7]	* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]	* Nose		Thrombosis	Marked
	* Pancreas		Cyst	Moderate
	* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-1]	* Prostate		Inflammation	Chronic, Marked
	* Salivary Glands		Atrophy	Mild
	* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear Necrosis	Moderate Mild
[Hematopoietic Cell Proliferation TGLS = 2-6] [Leukemia Mononuclear TGLS = 2-6] [Necrosis TGLS = 13-21]	* Stomach, Forestomach		Edema	Mild
	* Stomach, Glandular	Glands	Dilatation Erosion Hyperplasia	Mild Marked Minimal
[Erosion TGLS = 14-4]	* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 693

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104652

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Heart Thrombosis;Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104653

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Marked
[Adenoma TGLS = 1-8]			
* Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Fibroma	
[Cyst Epithelial Inclusion TGLS = 5-22]			
[Fibroma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 652

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104653

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104654

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, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Marked
	Mediastinal	Hemorrhage	Mild
[Ectasia TGLS = 3-23]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104654

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 4-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-22]			
* Prostate		Inflammation	Chronic, Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104655

ORGAN AND ACCOUNTABLE SITE STATUS

		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
[Hyperplasia TGLS = 8-4]			
* Testes	Germinal Epith	Atrophy	Moderate
[Atrophy TGLS = 3-7]			
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 4-21]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104656

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 667

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
	[Thrombosis TGLS = 4-12]		
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Intermed	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 55	TRT#: 3	SEX: Male	DAY ON TEST: 667
	DOSE: 14.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104657

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-6]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 5-4] [Ulcer TGLS = 5-4]		Edema Erosion Ulcer	Mild Mild Moderate
* Testes [Adenoma TGLS = 6-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Brain		Compression	Mild
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	Multiple
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104658

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 559

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	Blood Vessel	* Bone
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

INSUFFICIENT TISSUE

Lymph Node, Pancreatic

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Necrosis	Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
		Necrosis	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: MODERATE LEUKOCYTOSIS IN LUNG; SYSTEM WOULD NOT ALLOW ENTRY OF THIS FINDING.			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal
Note: FIBROADENOMA IS AUTOLYZED MAKING ACCURATE DIAGNOSIS PROBLEMATIC. [Fibroadenoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 57	TRT#: 3	SEX: Male	DAY ON TEST: 559
	DOSE: 14.3 MG/L	DISP: Natural Death	HISTO: 104659

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma
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PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 617

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Harderian Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Int Sm Duoden			
Note: FOCUS OF PANCREATIC ACINAR CELLS IN MUCOSA OF DUODENUM; CONSIDERED INCIDENTAL METAPLASTIC CHANGE.			
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Fibrosarcoma	Metastatic (Skin)
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 5-1]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 58	TRT#: 3	SEX: Male	DAY ON TEST: 617
	DOSE: 14.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104660

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Mild Mild

[Adenoma TGLS = 6-7]
[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma
CONTRIBUTORY CAUSE OF DEATH	- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Moderate Fatty, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia Leukemia Mononuclear	Moderate
[Hyperplasia TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Nose	Respirat Epith	Foreign Body Hyperplasia Inflammation	Minimal Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 3

SEX: Male

DAY ON TEST: 636

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104661

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Cyst	Moderate
* Prostate	Inflammation	Chronic, Moderate
* Skin	Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]		
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Brain Astrocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
[Cataract TGLS = 2-44]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
[Alveolar/Bronchiolar Adenoma TGLS = 4-21]			
[Hyperplasia TGLS = 5-22]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104662

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 2-22]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104663

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7,4-7-2]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104664

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, Duodenum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 3-2]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Stomach, Glandular		Erosion	Moderate
		Ulcer	Moderate
[Erosion TGLS = 4-4]			
[Ulcer TGLS = 4-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 584

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104664

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 321

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104665

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	* Islets, Pancreatic	* Kidney
* Lung	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

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

* Brain	Hydrocephalus	Mild
* Heart	Cardiomyopathy	Mild
* Liver	Fatty Change	Mild
	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric	Hyperplasia	Lymphoid, Mild
* Pituitary Gland	Pars Distalis	Moderate
	Cyst	

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

INSUFFICIENT TISSUE

* Intestine Small, Duodenum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-10]			
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
[Thrombosis TGLS = 10-12]			
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 7-6,8-6]			
[Leukemia Mononuclear TGLS = 7-6,8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 706

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104666

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-2]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]		Hyperplasia	Moderate
* Mammary Gland		Adenoma	
* Pancreas	Acinus	Fibrosis	Moderate
* Spleen		Leukemia Mononuclear	
[Fibrosis TGLS = 13-6]			
[Leukemia Mononuclear TGLS = 3-6]		Ulcer	Moderate
* Stomach, Forestomach			
[Ulcer TGLS = 14-4]		Erosion	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
		Ulcer	Moderate
[Erosion TGLS = 14-4]			
[Ulcer TGLS = 14-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 5-23]			
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Marked
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,6-22]			
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104667

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 8-1]

* Preputial Gland

Inflammation

Chronic, Mild

[Inflammation TGLS = 3-8]

* Prostate

Inflammation

Chronic, Moderate

[Inflammation TGLS = 4-7-1]

* Skin

Cyst Epithelial Inclusion

[Cyst Epithelial Inclusion TGLS = 2-21]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 595

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	Blood Vessel	* Bone	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Hemorrhage TGLS = 6-23]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 4-5]			
* Pancreas		Cyst	Marked
[Cyst TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 595

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104668

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 2-7]

Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
* Pancreas		Atrophy	Moderate
* Skin		Basal Cell Adenoma	
	Subcut Tiss	Fibroma	
[Basal Cell Adenoma TGLS = 2-22]			
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104669

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Eye | * Harderian Gland | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | Lymph Node, Pancreatic | * Mammary Gland |
| * Nose | Oral Mucosa | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Thyroid Gland | Tongue | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--------------------------|-------------------------------------|--|--|
| * Adrenal Medulla | | Hyperplasia
Leukemia Mononuclear
Pheochromocytoma Benign | Mild |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear
Nephropathy | Mild |
| * Liver | Bile Duct
Hepatocyte | Hyperplasia
Hyperplasia
Leukemia Mononuclear
Necrosis | Moderate
Focal, Moderate
Minimal |
| | [Hyperplasia TGLS = 5-6] | | |
| | [Leukemia Mononuclear TGLS = 5-6] | | |
| * Lung | | Infiltration Cellular
Leukemia Mononuclear
Thrombosis | Histiocyte, Minimal
Mild |
| | Note: LUNG THROMBUS IS ON SLIDE 23. | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-5] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 713

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104670

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 8-21]		
* Spleen		Fibrosis	Moderate
	[Leukemia Mononuclear TGLS = 2-22]	Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104671

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, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104672

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 454

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104673

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
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-21]		
	Lymph Node, Pancreatic	Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	[Hemorrhage TGLS = 8-7]		
* Skin	Subcut Tiss	Schwannoma Malignant	Multiple
	[Schwannoma Malignant TGLS = 5-23,6-24]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
[Hyperplasia TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104674

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cytoplasmic Alteration

Focal, Mild

Pars Distalis

Hyperplasia

Focal, Mild

[Cytoplasmic Alteration TGLS = 8-1]

* Preputial Gland

Inflammation

Chronic, Mild

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-21]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Eye		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Inflammation	Granulomatous, Moderate
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Lymph Node, Pancreatic		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-7]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Moderate
* Salivary Glands	Duct	Cyst	Marked
[Cyst TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104675

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7,4-7]

PRIMARY CAUSE OF DEATH

- Salivary Glands Duct Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 477

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Liver		Basophilic Focus	
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
[Hyperplasia TGLS = 3-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Nose		Foreign Body	
		Hemorrhage	Moderate
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

- Nose Hemorrhage

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 337

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104677

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	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Heart	Cardiomyopathy	Mild
* Liver	Fatty Change	Mild
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Sarcoma	Metastatic (Uncertain Primary Site)

Note: TGL 4-21 APPEARS TO BE A METASTATIC NEOPLASM. WET TISSUE WAS RE-EXAMINED AND ORIGIN WAS NOT DETERMINED.

[Sarcoma TGLS = 4-21]

Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Spleen	Hematopoietic Cell Proliferation	Mild
* Urinary Bladder	Hemorrhage	Moderate
	Transit Epithe	Mild
	Hyperplasia	Moderate
	Necrosis	

[Hemorrhage TGLS = 1-8,2-8]

[Necrosis TGLS = 2-8]

PRIMARY CAUSE OF DEATH

- Lung Sarcoma Uncertain Primary Site

CONTRIBUTORY CAUSE OF DEATH

- Urinary Bladder Hemorrhage;Urinary Bladder Necrosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Atrophy	Moderate
* Pancreas		Inflammation	Chronic, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Hematopoietic Cell Proliferation	Minimal
* Spleen		Adenoma	
* Testes	Bilateral, Interstit Cell		
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Mammary Gland	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy Thrombosis	Moderate Marked
[Thrombosis TGLS = 10-12]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 5-5]			
* Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Mild Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 11-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Foreign Body Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104679

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 12-1]

* Preputial Gland

Adenoma
Carcinoma

[Adenoma TGLS = 2-8]

[Carcinoma TGLS = 1-21]

* Prostate

Epithelium

Hyperplasia

Minimal

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 4-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Adenoma

Tongue

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
[Hyperplasia TGLS = 3-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 78	TRT#: 3 DOSE: 14.3 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 104680
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 1-7] [Atrophy TGLS = 2-7]			
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Moderate Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Marked
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-22,8-25]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 5-23,6-24]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104681

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 10-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 7-7-1]			
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7,4-26]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hyperplasia TGLS = 7-6]	
		[Leukemia Mononuclear TGLS = 7-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-23]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-21]	
Lymph Node, Pancreatic		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-22]	
* Mammary Gland		Hyperplasia	Mild
		[Hyperplasia TGLS = 1-8]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 80	TRT#: 3	SEX: Male	DAY ON TEST: 729
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104682

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-1]		
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6,5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-23]		
Tongue		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Eye		Cataract	Moderate
[Cataract TGLS = 3-44]	Retina	Degeneration	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 81	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104683

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Moderate
[Inflammation TGLS = 2-7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104684

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, Jejunum	* Islets, Pancreatic	* Lung	* Nose
Oral Mucosa	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

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

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104684

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 2-7,3-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland [Adenoma TGLS = 7-3] [Carcinoma TGLS = 7-3]	C Cell C Cell	Adenoma Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Regeneration	
[Eosinophilic Focus TGLS = 8-24]			
[Leukemia Mononuclear TGLS = 3-6]			
[Mixed Cell Focus TGLS = 7-23]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
[Hyperplasia TGLS = 9-25]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104685

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Cyst

Moderate

* Skin

Adenoma

Basal Cell Carcinoma

Hyperkeratosis

Mild

[Basal Cell Carcinoma TGLS = 1-21]

[Hyperkeratosis TGLS = 5-22]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Hyperplasia TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 6-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 84	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104686

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma Keratoacanthoma	
	[Fibroma TGLS = 7-23] [Keratoacanthoma TGLS = 1-21]		
* Spleen		Hematopoietic Cell Proliferation	Moderate
	[Hematopoietic Cell Proliferation TGLS = 4-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Mild
* Intestine Large, Cecum	Leukemia Mononuclear	
* Intestine Small, Duodenum	Leukemia Mononuclear	
* Intestine Small, Ileum	Leukemia Mononuclear	
* Islets, Pancreatic	Adenoma	
* Kidney	Cyst	Moderate
	Inflammation	Chronic, Mild
	Nephropathy	Moderate
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatocellular Adenoma	
	Hepatodiaphragmatic Nodule	
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6,5-6]		
[Clear Cell Focus TGLS = 4-6]		
[Hepatodiaphragmatic Nodule TGLS = 6-21,7-22]		
[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104687

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 8-23]		Leukemia Mononuclear	
Lymph Node, Pancreatic [Leukemia Mononuclear TGLS = 3-7]		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 9=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 345

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104688

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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Mammary Gland	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow	Hyperplasia	Marked
* Lung	Basal Cell Carcinoma	Metastatic (Skin)
[Basal Cell Carcinoma TGLS = 2-2]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Nose	Foreign Body	
	Inflammation	Chronic, Minimal
* Skin	Basal Cell Carcinoma	
[Basal Cell Carcinoma TGLS = 1-21]		
* Spleen	Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

- Skin Basal Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
	Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLS = 2-6]			
[Hyperplasia TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104689

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
Peripheral Nerve	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Eye [Cataract TGLS = 3-44]		Cataract	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Leukemia Mononuclear	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Fibrosis	Minimal
		Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104690

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 2-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104691

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Adenoma TGLS = 3-22]		
* Pancreas		Atrophy	Moderate
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes		Adenoma	
	Bilateral, Interstit Cell		
	[Adenoma TGLS = 2-7]		
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104691

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Metaplasia	Atypical, Moderate
	Note: "ATYPICAL METAPLASIA" CONSISTS OF TUBULAR STRUCTURES IN PARS INTERMEDIA.		
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104692

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Subcut Tiss	Fibroma	Multiple
	Subcut Tiss	Lipoma	
	[Fibroma TGLS = 1-21,2-22,4-24,9-25]		
	[Lipoma TGLS = 3-23]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 6-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 629

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104693

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
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Necrosis	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
[Hyperplasia TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Prostate		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 91	TRT#: 3	SEX: Male	DAY ON TEST: 629
	DOSE: 14.3 MG/L	DISP: Natural Death	HISTO: 104693

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104694

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	* Islets, Pancreatic	* Lymph Node, Mesenteric
Lymph Node, Pancreatic	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 3-3]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 4-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 92	TRT#: 3 DOSE: 14.3 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 729 HISTO: 104694
ORGAN AND ACCOUNTABLE SITE STATUS			
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 580

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104695

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	* Islets, Pancreatic	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Pancreas		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-7]		
* Thymus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

Animal Note: JEJUNUM, ILEUM, AND CECUM ARE DILATED; MORPHOLOGY NOT AVAILABLE ON TDMS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
[Pheochromocytoma Benign TGLS = 2-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia Inflammation	Minimal Chronic, Minimal
* Lung		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate	Epithelium	Hyperplasia Inflammation	Mild Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104696

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Edema	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Hyperplasia TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Hemorrhage TGLS = 10-24]			
[Infiltration Cellular TGLS = 9-25]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104697

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-5] Lymph Node, Pancreatic		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 5-7] * Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 12-22,13-23] * Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1] * Prostate		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6] * Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Angiectasis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Angiectasis TGLS = 4-6]	
		[Hyperplasia TGLS = 4-6]	
		[Leukemia Mononuclear TGLS = 6-22]	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-5]	
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-21]	
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104698

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104699

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 2-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104700

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
* Islets, Pancreatic	Mesentery	Oral Mucosa	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Intestine Small, Jejunum		Leiomyoma	
[Leiomyoma TGLS = 7-22]			
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Nose		Foreign Body	
		Inflammation	Chronic, Mild
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
Note: FOCAL ACINAR HYPERPLASIA IS ON SLIDE 4.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 98	TRT#: 3	SEX: Male	DAY ON TEST: 730
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104700

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland [Cyst TGLS = 3-23]		Cyst	Moderate
* Prostate		Inflammation	Chronic, Moderate
* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes [Adenoma TGLS = 4-7]	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Cyst	Moderate
		Leukemia Mononuclear	
		Nephropathy	Mild
[Cyst TGLS = 9-5]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
[Hyperplasia TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
Lymph Node	Deep Cervical	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104701

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-21]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
Lymph Node, Pancreatic		Ectasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-7, 8-22]			
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Leukemia Mononuclear	
Note: MONONUCLEAR CELL LEUKEMIA IS MOST EVIDENT ON SLIDE 22.			
* Preputial Gland		Leukemia Mononuclear	
* Prostate	Epithelium	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104702

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, Jejunum	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	Spinal Cord	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Ulcer	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-7]			
Peripheral Nerve		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 688

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104702

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 4-4]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

- Islets, Pancreatic Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
	[Clear Cell Focus TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
	Note: MESOTHELIOMA IS PRESENT ON SLIDES 7, 7-1, AND 21.		
	[Mesothelioma Malignant TGLS = 1-21]		
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
* Preputial Gland		Inflammation	Chronic, Moderate
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104703

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 4-22]

* Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* 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	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104704

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 503

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Stomach, Forestomach	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Ulcer	Moderate
* Intestine Large, Colon		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-24]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 5-23]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 503

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104705

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-21]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-26]		
* Stomach, Glandular		Erosion	Mild
		Leukemia Mononuclear	
	Note: GLANDULAR STOMACH LESIONS ARE ON SLIDES 4 AND 27.		
	[Erosion TGLS = 11-27]		
	[Leukemia Mononuclear TGLS = 11-27]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 2-7]		
* Thymus		Leukemia Mononuclear	
	Note: LEUKEMIA IS PRESENT ON SLIDES 3 AND 25.		
	[Leukemia Mononuclear TGLS = 10-25]		
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-23]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Hyperplasia	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104706

ORGAN AND ACCOUNTABLE SITE STATUS

Germinal Epith

Atrophy

Moderate

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Pheochromocytoma Benign	
* Brain		Compression	Mild
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-5]			
* Liver		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 4-7]			
Lymph Node, Pancreatic		Ectasia	Moderate
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
[Ectasia TGLS = 4-7]			
[Hemorrhage TGLS = 4-7]			
[Infiltration Cellular TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 686

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104707

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Marked
Mesentery [Necrosis TGLS = 5-21,9-22]	Fat	Necrosis	Marked
* Pancreas		Atrophy	Moderate
	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Marked
* Stomach, Forestomach		Ulcer	Marked
* Stomach, Glandular		Erosion	Marked
* Testes	Germinal Epith	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
* Thymus		Atrophy	Marked

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer;Stomach;Glandular Erosion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 662

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-1]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 7-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Leukemia Mononuclear TGLS = 5-5]		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Pancreas		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 106	TRT#: 5	SEX: Male	DAY ON TEST: 662
	DOSE: 57.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104708

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroma TGLS = 1-21]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-23]			
Spinal Cord		Leukemia Mononuclear	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 13-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Urinary Bladder		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-8]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Moderate
* Preputial Gland		Carcinoma	
		[Carcinoma TGLS = 1-21]	
* Prostate	Epithelium	Hyperplasia	Minimal
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
		[Hematopoietic Cell Proliferation TGLS = 2-6]	
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104709

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 521

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 521

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104710

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Renal Tubule	Dilatation	Mild
		Leukemia Mononuclear	
	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Moderate
	[Necrosis TGLS = 6-5]		
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Fatty Change TGLS = 7-6]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Alveolar Epith	Metaplasia	Squamous, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104711

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-2]			
[Leukemia Mononuclear TGLS = 8-2]			
[Metaplasia TGLS = 9-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Intermed	Cyst	Moderate
		Leukemia Mononuclear	
* Salivary Glands		Necrosis	Mild
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
[Leukemia Mononuclear TGLS = 5-22]			
* Stomach, Forestomach		Ulcer	Moderate
* Stomach, Glandular		Hyperplasia	Minimal
		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 636

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Kidney	* Nose	Oral Mucosa	* Parathyroid Gland
Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Marked
[Compression TGLS = 3-1]			
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 4-44]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Carcinoma	
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 110

TRT#: 5
DOSE: 57.3 MG/L

SEX: Male
DISP: Natural Death

DAY ON TEST: 636
HISTO: 104712

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate

Cyst
Inflammation

Moderate
Chronic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Islets;Pancreatic Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney	Transit Epithe	Hyperplasia Inflammation Nephropathy	Moderate Chronic, Mild Minimal
* Liver		Basophilic Focus Hematopoietic Cell Proliferation	Minimal Minimal
	Bile Duct	Hyperplasia Infiltration Cellular Infiltration Cellular	Minimal Histiocyte, Minimal Histiocyte, Mild
* Lymph Node, Mesenteric			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 5-21]			
* Nose		Foreign Body	
* Pancreas		Atrophy	Mild
* Preputial Gland		Adenoma Carcinoma	
[Adenoma TGLS = 1-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 652

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104713

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-22]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Hematopoietic Cell Proliferation	Moderate
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Prostate		Adenoma	
* Skin		Basal Cell Carcinoma	

[Basal Cell Carcinoma TGLS = 1-21]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104714

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Skeletal Muscle	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Moderate
* Liver		Histiocytic Sarcoma	
		Inflammation	Chronic, Mild
		[Histiocytic Sarcoma TGLS = 6-24,7-6,8-25,9-26,10-27]	
* Lung		Hemorrhage	Mild
		Histiocytic Sarcoma	
		Infiltration Cellular	Histiocyte, Minimal
		[Hemorrhage TGLS = 11-2]	
		[Histiocytic Sarcoma TGLS = 11-2]	
Lymph Node	Pancreatic	Histiocytic Sarcoma	
		[Histiocytic Sarcoma TGLS = 4-7]	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Congestion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104715

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 4-7] [Hemorrhage TGLS = 4-7]		Hemorrhage	Moderate
* Mammary Gland [Fibroadenoma TGLS = 2-22]		Fibroadenoma	
* Nose		Foreign Body	
* Pancreas		Atrophy	Mild
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Skin		Histiocytic Sarcoma	
		Hyperkeratosis	Moderate
	Epidermis	Hyperplasia	Moderate
[Histiocytic Sarcoma TGLS = 3-23] [Hyperkeratosis TGLS = 1-21] [Hyperplasia TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Glandular		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Intermed	Cyst	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 5-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 617

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104716

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 2-21]			
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Mild
Note: BILE DUCT HYPEPLASIA INCLUDES A FOCUS OF ATYPICAL BILIARY HYPERPLASIA AND SURROUNDING FIBROSIS OUTSIDE THE LIVER CAPSULE.			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Adenoma	Multiple
		Atrophy	Minimal
[Adenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 115

TRT#: 5
DOSE: 57.3 MG/L

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 104717

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 631

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104718

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, Jejunum	* Islets, Pancreatic	* Lung	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8,3-21]			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 116

TRT#: 5
DOSE: 57.3 MG/L

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 631
HISTO: 104718

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Interstit Cell

Inflammation
Adenoma

Chronic, Mild

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	Spinal Cord
* Stomach, Forestomach	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Dilatation	Moderate
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 673

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104719

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

* Testes

[Adenoma TGLS = 3-7]

Bilateral, Interstit Cell

Leukemia Mononuclear

Hyperplasia

Adenoma

Minimal

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 560

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
	Kupffer Cell	Pigmentation	Moderate
[Hyperplasia TGLS = 3-21]			
[Pigmentation TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 2-5]			
[Hyperplasia TGLS = 2-5]			
[Infiltration Cellular TGLS = 2-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 118	TRT#: 5	SEX: Male	DAY ON TEST: 560
	DOSE: 57.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104720

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosarcoma TGLS = 4-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Skin Subcut Tiss Fibrosarcoma		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104721

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	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 5-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:32
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 119	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104721

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia Inflammation	Minimal Chronic, Mild
* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104722

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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

Lymph Node, Pancreatic	Tongue
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 2-22,5-23]			
* Pancreas		Atrophy	Minimal
* Preputial Gland		Hyperplasia	Moderate
		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104722

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 7-25 IS HEMORRHAGE OF MODERATE SEVERITY IN MUSCULARIS OF TONGUE; MORPHOLOGY UNAVAILABLE FOR TONGUE ON TDMS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:32

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 4-3]			
[Hyperplasia TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104723

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 4-3]

* Lymph Node, Mesenteric

Lymph Node, Pancreatic

* Mammary Gland

Infiltration Cellular

Infiltration Cellular

Fibroadenoma

Hyperplasia

Histiocyte, Minimal

Histiocyte, Minimal

Mild

[Fibroadenoma TGLS = 1-21]

* Pancreas

Note: THE PANCREATIC CYST IS SURROUNDED BY LYMPHOID TISSUE.

* Pituitary Gland

Pars Distalis

Pars Distalis

* Stomach, Glandular

* Testes

Bilateral, Interstit Cell

Cyst

Cyst

Hyperplasia

Hyperplasia

Adenoma

Moderate

Moderate

Focal, Minimal

Minimal

[Adenoma TGLS = 2-7]

* Thyroid Gland

Tongue

C Cell

Hyperplasia

Inflammation

Minimal

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104724

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

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

* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 2-21]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104724

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104725

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104726

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, Jejunum	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Mixed Cell Focus	
[Hepatocellular Adenoma TGLS = 4-6]			
[Hyperplasia TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Adenoma	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 124	TRT#: 5	SEX: Male	DAY ON TEST: 734
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104726

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

DOSE: 57.3 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 104727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Moderate Fatty, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 11-24]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 10-12]			
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Mild
[Necrosis TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Pigmentation	Mild
[Hemorrhage TGLS = 4-7]			
[Infiltration Cellular TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 501

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Marked
[Leukemia Mononuclear TGLS = 5-10]			
[Necrosis TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney	Renal Tubule	Dilatation	Moderate
		Nephropathy	Minimal
* Liver	Centrilobular	Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Mesothelioma Malignant	

Note: MESOTHELIOMA IS ON SLIDES 7 AND 7-1; APPEARS TO BE IN AN EARLY STAGE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 5

DOSE: 57.3 MG/L

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 501

HISTO: 104728

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Inflammation	Chronic, Moderate
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
		Necrosis	Marked
	[Accessory Spleen TGLS = 4-21]		
	[Leukemia Mononuclear TGLS = 3-6]		
	[Necrosis TGLS = 4-21]		
* Stomach, Forestomach		Ulcer	Mild
* Stomach, Glandular		Erosion	Moderate
		Leukemia Mononuclear	
	[Erosion TGLS = 11-24]		
* Testes	Interstit Cell	Adenoma	
		Leukemia Mononuclear	
	[Adenoma TGLS = 2-7]		
	[Leukemia Mononuclear TGLS = 1-7]		
* Urinary Bladder		Calculus Micro Observation Only	
		Hemorrhage	Mild
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
	[Calculus Micro Observation Only TGLS = 10-23]		
	[Hemorrhage TGLS = 6-23]		
	[Inflammation TGLS = 6-23]		
	[Leukemia Mononuclear TGLS = 6-23]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 579

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate		Inflammation	Chronic, Moderate
* Testes	Germinal Epith	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 5

DOSE: 57.3 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 729

HISTO: 104730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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INSUFFICIENT TISSUE

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 2-44]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Adenoma	
		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Prostate	Epithelium	Hyperplasia	Mild
* Skin	Subcut Tiss	Fibroma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 128	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104730

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE FIBROMA IS ON SLIDE 8 WITH REGULAR SKIN SECTION.

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular	Glands	Dilatation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla

Pheochromocytoma Benign
Pheochromocytoma Malignant

Note: THE BENIGN AND MALIGNANT PHEOCHROMOCYTOMAS ARE IN OPPOSITE ADRENAL GLANDS.

[Pheochromocytoma Malignant TGLS = 5-10]

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-21,2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 3-22]			
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 129	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104731

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 3-22]	Subcut Tiss	Fibroma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes [Adenoma TGLS = 4-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-5]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104732

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-23]			
* Nose		Foreign Body	
* Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Leukemia Mononuclear	
* Skin		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-24]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-22]			
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Erosion	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 7-7]			
[Atrophy TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Esophagus
* Intestine Large, Colon
* Islets, Pancreatic
Oral Mucosa
* Seminal Vesicle
* Thymus
* Urinary Bladder

* Bone
* Eye
* Intestine Small, Duodenum
Lymph Node, Pancreatic
* Parathyroid Gland
* Spleen
* Thyroid Gland

* Brain
* Harderian Gland
* Intestine Small, Ileum
* Mammary Gland
* Prostate
* Stomach, Forestomach
Tongue

* Epididymis
* Intestine Large, Cecum
* Intestine Small, Jejunum
* Nose
* Salivary Glands
* Stomach, Glandular
* Trachea

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex
* Bone Marrow
* Heart
* Kidney
* Liver

Accessory Adrenal Cortical Nodule
Hyperplasia
Cardiomyopathy
Nephropathy
Basophilic Focus
Clear Cell Focus

Moderate
Mild
Moderate
Minimal

* Lung
* Lymph Node, Mesenteric
* Pancreas
* Pituitary Gland
* Preputial Gland
* Skin

Bile Duct

Pars Distalis

Subcut Tiss
Subcut Tiss

Hyperplasia
Infiltration Cellular
Infiltration Cellular
Atrophy
Cyst
Inflammation
Fibroma
Lipoma

Mild
Histiocyte, Minimal
Histiocyte, Mild
Minimal
Moderate
Chronic, Mild

[Fibroma TGLS = 3-22]

[Lipoma TGLS = 1-21]

* Testes

Interstit Cell

Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104733

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

Germinal Epith

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 310

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Testes
* Thyroid Gland	Tongue	* Trachea	

MISSING

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

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
[Fatty Change TGLS = 11-6]			
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-24]			
[Leukemia Mononuclear TGLS = 9-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-23]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-25]			
Mesentery		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

DOSE: 57.3 MG/L

SEX: Male

DISP: Natural Death

DAY ON TEST: 310

HISTO: 104734

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-21]

* Pancreas	Leukemia Mononuclear	
* Prostate	Inflammation	Chronic, Marked
[Inflammation TGLS = 8-7-1]		
* Seminal Vesicle	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
* Stomach, Forestomach	Leukemia Mononuclear	
* Stomach, Glandular	Leukemia Mononuclear	
* Thymus	Leukemia Mononuclear	
* Urinary Bladder	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pancreas	Acinus	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 134	TRT#: 5	SEX: Male	DAY ON TEST: 729
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104736

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Atrophy	Mild
* Skin	Subcut Tiss	Inflammation	Chronic, Mild
[Fibroma TGLS = 6-22]		Fibroma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 272

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104737

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Minimal
* Liver	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Spleen	Hemorrhage	Marked
	Leukemia Mononuclear	
	Necrosis	Marked
[Hemorrhage TGLS = 3-21]		
[Leukemia Mononuclear TGLS = 2-21,2-22,3-21]		
[Necrosis TGLS = 4-22]		
* Stomach, Glandular	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin		Trichoepithelioma	
[Trichoepithelioma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104738

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104739

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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

Lymph Node, Pancreatic

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Carcinoma	
		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Mild
[Metaplasia TGLS = 6-21]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104739

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Inflammation

Chronic, Mild

* Prostate

Inflammation

Chronic, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

Ultimobranchial Cyst

Moderate

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Minimal
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 4-21]			
[Hepatocellular Adenoma TGLS = 8-23]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104740

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 1-24]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 640

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104741

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, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Leukemia Mononuclear	
		Accumulation, Hyaline Droplet	Moderate
		Leukemia Mononuclear	
		Nephropathy	Mild
		[Leukemia Mononuclear TGLS = 5-5]	
* Liver		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 10-21]	
		[Hyperplasia TGLS = 9-6]	
		[Leukemia Mononuclear TGLS = 9-6]	
* Lung		Leukemia Mononuclear	
Lymph Node			
Note: INSUFFICIENT DEEP CERVICAL LYMPH NODE ON SLIDE 22.			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 640

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104741

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-5] Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7] * Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8] * Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Hyperplasia	Marked Focal, Moderate
[Angiectasis TGLS = 13-1] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6] * Stomach, Forestomach	Epithelium	Hyperplasia Leukemia Mononuclear	Moderate
[Hyperplasia TGLS = 15-4] [Leukemia Mononuclear TGLS = 15-4] * Stomach, Glandular		Erosion Leukemia Mononuclear	Minimal
[Erosion TGLS = 15-4] * Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7] * Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 11-3]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH - Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
Note: FIBROADENOMA ON SLIDE 21 CONSISTS LARGELY OF FIBROUS TISSUE. [Fibroadenoma TGLS = 1-21,5-22] [Hyperplasia TGLS = 2-8]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104742

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

[Hyperplasia TGLS = 4-1]

* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Moderate
		Leukemia Mononuclear	
	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Eye	Retina	Degeneration	Minimal
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Adenoma	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 11-24,13-26]		
	[Leukemia Mononuclear TGLS = 12-25]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104743

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Deep Cervical Mediastinal	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-22]			
[Leukemia Mononuclear TGLS = 9-23]			
[Leukemia Mononuclear TGLS = 7-29]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-30]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Mammary Gland		Hyperplasia	Moderate
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 2-21]			
[Necrosis TGLS = 2-21]			
* Pancreas		Atrophy Cyst	Mild Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Hyperplasia Leukemia Mononuclear	Mild Focal, Mild
[Leukemia Mononuclear TGLS = 10-1]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear Necrosis	
[Leukemia Mononuclear TGLS = 3-28]			Moderate
[Necrosis TGLS = 14-27]			
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104743

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THYMUS IS ON SLIDE 29.

* Urinary Bladder

Edema

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104745

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 667

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Thrombosis	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Infiltration Cellular	Lipocyte, Moderate
		Nephropathy	Minimal
[Infiltration Cellular TGLS = 10-23]			
* Liver		Degeneration	Cystic, Mild
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
	Centrilobular	Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 9-22]		Necrosis	Minimal
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 5-7]			
[Leukemia Mononuclear TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 144	TRT#: 5	SEX: Male	DAY ON TEST: 667
	DOSE: 57.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104746

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 1-21]		
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 4-7]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Preputial Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 3-7]			
[Hyperplasia TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 5-23]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
	[Hyperplasia TGLS = 1-21]		
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Preputial Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104748

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-22]

* Prostate

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Forestomach

Epithelium

Hyperplasia

Minimal

* Testes

Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
Oral Mucosa	* Pancreas	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Cranium	Osteopetrosis	Moderate
[Osteopetrosis TGLS = 8-21]			
* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Note: POSSIBLE FIXATION ARTIFACT IN LIVER SECTIONS (CLUSTERS OF COLORLESS SPICULES APPROXIMATELY 20-50 MICRONS IN LENGTH).			
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 147	TRT#: 5	SEX: Male	DAY ON TEST: 709
	DOSE: 57.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104749

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE PITUITARY GLAND ADENOMA IS LARGELY OBSCURED BY A LARGE BLOOD LAKE.

[Adenoma TGLS = 6-1]

* Prostate		Inflammation	Chronic, Moderate
	[Inflammation TGLS = 3-7-1]		

* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

* Thyroid Gland	C Cell	Adenoma	
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PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104750

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, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Inflammation	Chronic, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	[Alveolar/Bronchiolar Adenoma TGLS = 7-2]		
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 6-24]		
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Moderate
	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104750

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Adenoma
Carcinoma

[Adenoma TGLS = 4-23]
[Carcinoma TGLS = 3-25]

* Skin

Subcut Tiss

Cyst Epithelial Inclusion
Fibroma

[Cyst Epithelial Inclusion TGLS = 2-22]
[Fibroma TGLS = 1-21]

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Esophagus	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 7-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-21]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

DOSE: 57.3 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 104751

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland

Inflammation

Chronic, Mild

* Prostate

Inflammation

Chronic, Mild

[Inflammation TGLS = 3-7-1]

* Spleen

Accessory Spleen

Hematopoietic Cell Proliferation

Minimal

Leukemia Mononuclear

[Accessory Spleen TGLS = 4-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Angiectasis Degeneration Hyperplasia	Moderate Fatty, Marked Diffuse, Moderate
[Degeneration TGLS = 7-10] [Hyperplasia TGLS = 7-10]		
* Brain	Compression	Moderate
[Compression TGLS = 8-1]		
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
* Kidney	Nephropathy	Moderate
[Nephropathy TGLS = 6-5]		
* Liver	Clear Cell Focus	
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Hemorrhage	Moderate
	Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 5-7]		
* Mammary Gland	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104752

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 9-1]

Pars Intermed

Adenoma

* Stomach, Glandular

Hyperplasia

Minimal

* Testes
[Adenoma TGLS = 3-7]

Bilateral, Interstit Cell

Adenoma

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Intermed Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-21]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Lipoma	
[Lipoma TGLS = 4-22]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104753

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7,2-7]

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Leukemia Mononuclear	
		Necrosis	Minimal
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3]		
	[Leukemia Mononuclear TGLS = 1-21]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 8-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104754

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 2-22]	Fat	Necrosis	Mild
* Nose	Respirat Epith	Foreign Body Hyperplasia Inflammation	Minimal Chronic, Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Edema Hyperplasia	Moderate Minimal
* Stomach, Glandular		Erosion Hyperplasia	Mild Minimal
* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node, Pancreatic	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
		Pheochromocytoma Malignant	
* Epididymis		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Marked
[Thrombosis TGLS = 7-12]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Marked
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Mild
[Fatty Change TGLS = 6-6]			
[Hemorrhage TGLS = 6-6]			
[Necrosis TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Thrombosis	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104755

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose [Cyst TGLS = 8-9-2,10-9-1]	Nasolacrim Dct	Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Sebaceous Gl	Adenoma Cyst Epithelial Inclusion	
Note: THE SEBACEOUS GLAND ADENOMA HAS SQUAMOUS DIFFERENTIATION AND KERATIN FORMATION. [Adenoma TGLS = 2-22] [Cyst Epithelial Inclusion TGLS = 1-21]			
* Stomach, Forestomach [Ulcer TGLS = 9-4]	Epithelium	Edema Hyperplasia Ulcer	Moderate Moderate Marked
* Stomach, Glandular		Edema Erosion	Moderate Mild
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear Necrosis	Moderate
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]		
* Heart	Cardiomyopathy Leukemia Mononuclear	Mild
* Intestine Large, Cecum	Edema Erosion Leukemia Mononuclear	Moderate Moderate
* Intestine Large, Colon	Leukemia Mononuclear	
* Intestine Small, Duodenum	Leukemia Mononuclear	
* Intestine Small, Ileum	Leukemia Mononuclear	
* Intestine Small, Jejunum	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear Nephropathy	Mild
* Liver	Leukemia Mononuclear Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-2]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 645

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104756

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-5]		Leukemia Mononuclear	
Lymph Node, Pancreatic [Leukemia Mononuclear TGLS = 3-7]		Leukemia Mononuclear	
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Stomach, Forestomach		Erosion	Minimal
* Stomach, Glandular		Erosion	Moderate
		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 3-22]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hemorrhage TGLS = 4-2]			
[Hyperplasia TGLS = 4-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104757

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104758

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, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 3-1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate	Epithelium	Hyperplasia	Mild
* Salivary Glands		Atrophy	Mild
* Skin	Subcut Tiss	Fibroma	
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104758

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104759

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Epididymis		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Erosion	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104759

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 1-21]

* Nose		Foreign Body Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Intermed, Pars Nervosa	Metaplasia	Atypical, Moderate
Note: METAPLASIA CONSISTS OF ATYPICAL GLANDULAR FORMATIONS WITHIN PARS INTERMEDIA AND PARS NERVOSA.			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Compression	Marked
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Marked
[Cyst TGLS = 5-1]			
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 158

TRT#: 7

SEX: Male

DAY ON TEST: 629

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104760

ORGAN AND ACCOUNTABLE SITE STATUS

Ulcer

Marked

[Edema TGLS = 2-4]

[Hyperplasia TGLS = 2-4]

[Ulcer TGLS = 2-4]

* Testes

Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Moderate
* Kidney		Cyst	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
	[Fibroadenoma TGLS = 1-21]		
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland		Hyperplasia	Focal, Mild
	Pars Distalis		
	[Hyperplasia TGLS = 4-1]		
* Prostate		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 159	TRT#: 7 DOSE: 172 MG/L	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 730 HISTO: 104761
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Skin		Hyperkeratosis	Mild
	Epidermis	Hyperplasia	Mild
	[Hyperkeratosis TGLS = 3-22]		
	[Hyperplasia TGLS = 3-22]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104762

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, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	Oral Mucosa
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 3-6]			
[Mixed Cell Focus TGLS = 4-21]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas		Atrophy	Mild
	Acinus	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104762

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-7]

* Pituitary Gland

Pars Distalis

Hyperplasia

Focal, Minimal

* Preputial Gland

Inflammation

Chronic, Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Bilateral, Interstit Cell

Leukemia Mononuclear

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	Spinal Cord
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 3-44]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Skin	Subcut Tiss	Fibroma	
	Subcut Tiss	Fibrous Histiocytoma	
[Fibroma TGLS = 1-21]			
[Fibrous Histiocytoma TGLS = 2-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104763

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104764

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	* Islets, Pancreatic	* Lung
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Angiectasis	Marked
		Hyperkeratosis	Moderate
		Squamous Cell Papilloma	
[Angiectasis TGLS = 1-21]			
[Hyperkeratosis TGLS = 2-22]			
[Squamous Cell Papilloma TGLS = 2-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 162	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104764

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 4-3]	C Cell C Cell	Carcinoma Hyperplasia	Minimal
Tongue [Hyperplasia TGLS = 5-23]	Epithelium	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Adenoma	
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
[Adenoma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104765

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate

Epithelium

Hyperplasia

Mild

Inflammation

Chronic, Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-5]			
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Marked
	Respirat Epith	Metaplasia	Squamous, Moderate
* Pancreas		Atrophy	Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Hematopoietic Cell Proliferation TGLS = 2-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 595

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104766

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104767

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hematopoietic Cell Proliferation TGLS = 3-6]

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Thrombosis	Moderate
[Thrombosis TGLS = 8-12]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Necrosis	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104768

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-7]

* Prostate

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104769

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, Jejunum
* Islets, Pancreatic	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-22,5-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 167	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104769

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Mild
* Nose		Foreign Body	
* Preputial Gland		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 7

DOSE: 172 MG/L

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 104770

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, Jejunum
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Angiectasis	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		[Basophilic Focus TGLS = 3-6]	
		[Clear Cell Focus TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
Mesentery		Mesothelioma Malignant	
Note: MESOTHELIOMA IS PRESENT ON SLIDES 7, 7-1, AND 21.			
		[Mesothelioma Malignant TGLS = 2-21]	
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104770

ORGAN AND ACCOUNTABLE SITE STATUS

Note: EPIDERMIS IS PRESENT ON SLIDE 22 RATHER THAN SLIDE 8.

[Cyst Epithelial Inclusion TGLS = 4-22]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104771

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	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Marked
	[Inflammation TGLS = 1-5]		
	[Nephropathy TGLS = 1-5]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21]			
* Nose	Respirat Epith	Foreign Body	
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104772

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-6]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104773

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	* Islets, Pancreatic	* Mammary Gland	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 3-1]			
* Preputial Gland		Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104773

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-21]

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

Tongue

Epithelium

Hyperplasia

Minimal

[Hyperplasia TGLS = 4-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pancreas		Atrophy	Mild
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Marked
Note: FOCAL HYPERPLASIA IS ON SLIDES 4 AND 7.			
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-1]		
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104774

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

Note: BASOPHILIC FOCUS IN PAROTID GLAND; CONSIDERED INCIDENTAL AND NOT TABULATED.

* Testes

Interstit Cell

Adenoma

Mild

Interstit Cell

Hyperplasia

[Adenoma TGLS = 1-7]

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 607

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Esophagus	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

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

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Marked
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
Lymph Node, Pancreatic		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 607

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104775

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-7]

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

Necrosis

Moderate

[Leukemia Mononuclear TGLS = 2-21]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104776

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	* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Nose		Foreign Body	
* Prostate	Epithelium	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104776

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104777

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	* Islets, Pancreatic	* Kidney	Lymph Node, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104778

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	* Islets, Pancreatic	* Lung
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
Tooth	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Inflammation	Granulomatous, Moderate
	[Inflammation TGLS = 1-21]		
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Minimal
* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Cyst	Marked
	Note: THE SKIN CYST IS LINED WITH HYPERPLASTIC BASOSQUAMOUS EPITHELIUM.		
	[Cyst TGLS = 5-22]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 709

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104778

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Skin Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Moderate
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	
		[Cyst Epithelial Inclusion TGLS = 4-21]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-6]	
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 177	TRT#: 7	SEX: Male	DAY ON TEST: 731
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104779

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104780

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
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Liver		Inflammation	Chronic, Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 6-21]			
* Pancreas		Cyst	Moderate
* Spleen		Fibrosis	Moderate
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 4-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104781

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	* Islets, Pancreatic	Lymph Node, Pancreatic	* Mammary Gland
Oral Mucosa	* Parathyroid Gland	* Prostate	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Suppurative, Minimal
		Ectasia	Moderate
* Lymph Node, Mandibular			
[Ectasia TGLS = 1-8]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Nose		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104781

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Inflammation	Chronic, Mild
	Acinus	Adenoma	
[Adenoma TGLS = 3-7]		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate
* Salivary Glands		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
		Hyperkeratosis	Mild
[Fibroma TGLS = 2-21]			
[Hyperkeratosis TGLS = 7-24]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 8-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 9-24]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 10-12]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-22]		Mixed Cell Focus	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 7-5]			
Lymph Node, Pancreatic		Hemorrhage	Mild
[Hemorrhage TGLS = 4-7]		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104782

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Mild
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-25]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]		Keratoacanthoma	
[Keratoacanthoma TGLS = 8-23]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Bone | * Brain | * Epididymis | * Esophagus |
| * Eye | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | Oral Mucosa | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Thyroid Gland | Tongue | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|--|-------------|----------------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| | | Pheochromocytoma Malignant | |
| [Pheochromocytoma Malignant TGLS = 6-10] | | | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Small, Duodenum | | Infiltration Cellular | Histiocyte, Minimal |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Moderate |
| * Liver | | Fatty Change | Moderate |
| | Bile Duct | Hyperplasia | Moderate |
| | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| [Infiltration Cellular TGLS = 8-6] | | | |
| [Leukemia Mononuclear TGLS = 8-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 9-3] | | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Histiocyte, Mild |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 721

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104783

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-5] Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7] Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-21] * Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Skin		Hyperkeratosis	Moderate
[Hyperkeratosis TGLS = 10-22] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6] * Stomach, Glandular		Hyperplasia	Minimal
		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7] * Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 521

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-21,6-21,8-21]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-5]	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-7]	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-22]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 521

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104784

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

Lymph Node, Pancreatic

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hemorrhage	Mild
		Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
			[Clear Cell Focus TGLS = 4-6]
			[Hemorrhage TGLS = 4-6]
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 183	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104785

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-8]			
* Spleen		Hemangiosarcoma Hematopoietic Cell Proliferation	Mild
[Hemangiosarcoma TGLS = 3-21]			
* Testes	Interstit Cell Germinal Epith Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 625

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Intestine Small, Jejunum	* Lymph Node, Mandibular
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
[Leukemia Mononuclear TGLS = 8-21]			
[Leukemia Mononuclear TGLS = 9-22]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Lymph Node, Pancreatic		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 625

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104786

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-7]

* Pancreas		Atrophy	Minimal
* Pituitary Gland		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Glandular		Erosion	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 2-7]

* Thymus		Leukemia Mononuclear	
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PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104787

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	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Accessory Spleen	
[Accessory Spleen TGLS = 2-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 570

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104788

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, Jejunum	* Islets, Pancreatic	* Mammary Gland	Oral Mucosa
* Pancreas	* Parathyroid Gland	Penis	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Duodenum	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 4-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-7]		
Mesentery	Fat	Necrosis	Mild
	[Necrosis TGLS = 5-21]		
* Nose	Respirat Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Intermed	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 570
	DOSE: 172 MG/L	DISP: Moribund Sacrifice	HISTO: 104788

ORGAN AND ACCOUNTABLE SITE STATUS

	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			
* Prostate		Inflammation	Chronic, Moderate
[Inflammation TGLS = 6-7-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-22]			
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104789

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	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Pancreas	Acinus	Adenoma	
		Atrophy	Minimal
[Adenoma TGLS = 2-7]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular	Epithelium, Glands	Dilatation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104789

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

* Thymus

Thymoma Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104790

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
* Islets, Pancreatic	Lymph Node, Pancreatic	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Marked
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Ectasia TGLS = 7-3]			
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 188	TRT#: 7	SEX: Male	DAY ON TEST: 734
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104790

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Marked
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
* Nose	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Mild
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Infarct	Mild
		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104791

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	Oral Mucosa
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 4-23]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 5-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Nose		Foreign Body	
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Skin		Basal Cell Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104792

ORGAN AND ACCOUNTABLE SITE STATUS

	Subcut Tiss	Fibroma	
[Basal Cell Adenoma TGLS = 1-21]			
[Fibroma TGLS = 6-25]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 549

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 104793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hyperplasia TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-7]		
* Mammary Gland		Hyperplasia	Minimal
* Nose		Foreign Body	
		Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 549
	DOSE: 172 MG/L	DISP: Moribund Sacrifice	HISTO: 104793

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Prostate		Inflammation	Chronic, Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-21]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
[Hyperplasia TGLS = 10-4]			
[Inflammation TGLS = 10-4]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 10-4]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 8-3]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104794

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Rectum	* Islets, Pancreatic	* Kidney
* Liver	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
[Infiltration Cellular TGLS = 1-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Nose	Nasolacrim Dct	Cyst	Marked
		Foreign Body	
		Inflammation	Chronic, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
[Cyst TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 520

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104794

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Nose Nasolacrim Dct Cyst

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Esophagus	* Lymph Node, Mandibular
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 7-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Atrophy	Minimal
* Preputial Gland		Carcinoma	

Note: MARKED CHRONIC INFLAMMATION AND FIBROSIS IN SOFT TISSUE SURROUNDING PREPUTIAL GLAND CARCINOMA ON SLIDE 22.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104795

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 2-22]			
* Prostate		Inflammation	Chronic, Marked
[Inflammation TGLS = 6-7-1]			
* Salivary Glands		Atrophy	Minimal
* Seminal Vesicle		Inflammation	Chronic, Marked
[Inflammation TGLS = 5-23]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
[Hematopoietic Cell Proliferation TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Testes	Interstit Cell Germinal Epith	Adenoma Atrophy	Moderate
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104796

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	* Islets, Pancreatic
* Lung	* Mammary Gland	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 6-24]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-23]			
* Nose		Foreign Body	
	Respirat Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1-21,2-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104796

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104797

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, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Hemorrhage	Mild
	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 195	TRT#: 7	SEX: Male	DAY ON TEST: 730
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 104797

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 3-7]		Pigmentation	Mild
[Infiltration Cellular TGLS = 3-7]			
[Pigmentation TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 4-3]			
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104798

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	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 4-5,4-22]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-21]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104798

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 5=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Renal Tubule	Hyperplasia	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-22]			
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104799

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 399

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 104800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 11-25]		
	[Leukemia Mononuclear TGLS = 10-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-26]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-23]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 399
	DOSE: 172 MG/L	DISP: Natural Death	HISTO: 104800

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Accessory Spleen TGLS = 6-24]		Accessory Spleen	
* Nose	Respirat Epith	Hyperplasia	Minimal
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
[Hemorrhage TGLS = 4-22]			
[Leukemia Mononuclear TGLS = 2-21,3-21,3-22]			
[Necrosis TGLS = 4-22]			
* Stomach, Glandular		Hyperplasia	Minimal
		Leukemia Mononuclear	
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104801

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	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104801

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-6] Leukemia Mononuclear

* Testes [Adenoma TGLS = 1-7] Bilateral, Interstit Cell Adenoma

* Thyroid Gland C Cell Adenoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
		Schwannoma Malignant	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
[Cyst TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 104802

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 2-22,3-23]	Subcut Tiss	Fibroma	Multiple
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 9

SEX: Male

DAY ON TEST: 696

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Eye	Retina	Cataract Degeneration Inflammation	Moderate Marked Chronic, Moderate
[Cataract TGLS = 6-44] [Inflammation TGLS = 6-44]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lung	Centrilobular	Necrosis	Minimal
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 4-5]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 9-24]			
* Nose		Foreign Body	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 9

SEX: Male

DAY ON TEST: 696

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104803

ORGAN AND ACCOUNTABLE SITE STATUS

Respirat Epith	Hyperplasia	Mild
Oral Mucosa	Inflammation	Chronic, Moderate
[Squamous Cell Carcinoma TGLS = 5-22,5-22-1]	Squamous Cell Carcinoma	
* Pancreas	Atrophy	Mild
Acinus	Cyst	Moderate
[Cytoplasmic Alteration TGLS = 3-7]	Cytoplasmic Alteration	Moderate
* Skin	Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 2-21]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Testes	Pigmentation	Moderate
[Adenoma TGLS = 8-7]	Adenoma	
Bilateral, Interstit Cell		
Tongue	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-23]		

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hemorrhage	Minimal
	Intima, Vein	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Infiltration Cellular TGLS = 3-6]			
[Inflammation TGLS = 3-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-23]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Moderate
Note: MAMMARY GLAND HYPERPLASIA IS ON SLIDES 8 AND 22.			
[Hyperplasia TGLS = 5-22]			
* Nose	Respirat Epith	Metaplasia	Squamous, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 202	TRT#: 9	SEX: Male	DAY ON TEST: 734
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 104804

ORGAN AND ACCOUNTABLE SITE STATUS			
* Pancreas		Atrophy	Mild
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
	[Adenoma TGLS = 6-1]		
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-8]		
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 4-21]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104805

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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid 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	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-22]			
* Lung		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104805

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104806

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	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

Lymph Node, Pancreatic

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
* Skin		Cyst Epithelial Inclusion	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104806

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst Epithelial Inclusion TGLS = 1-21]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-6]

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 9

SEX: Male

DAY ON TEST: 636

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Lung
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	Peripheral Nerve
* Preputial Gland	* Prostate	* Seminal Vesicle	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone		Chordoma	
[Chordoma TGLS = 8-22]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Hydronephrosis	Moderate
[Hydronephrosis TGLS = 2-5]		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
		Syncytial Alteration	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 9

SEX: Male

DAY ON TEST: 636

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104807

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Salivary Glands		Necrosis	Mild
Skeletal Muscle		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 11-23]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Atrophy	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

- Bone Chordoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma;Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

OBSERVATIONS

* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Moderate
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery		Hemorrhage	Moderate
	Fat	Necrosis	Moderate
[Hemorrhage TGLS = 3-22]			
[Necrosis TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104808

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Hyperplasia	Minimal
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-21]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Moderate
		[Angiectasis TGLS = 4-1]	
		[Hyperplasia TGLS = 4-1]	
* Prostate		Inflammation	Chronic, Minimal
* Skin	Subcut Tiss	Fibrosarcoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 208

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104810

ORGAN AND ACCOUNTABLE SITE STATUS

Keratoacanthoma

Note: THE FIBROSARCOMA CONTAINS AN AREA OF EPITHELIAL CELLS RESEMBLING MAMMARY GLAND ACINI.

[Fibrosarcoma TGLS = 1-21]

[Keratoacanthoma TGLS = 3-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 9

SEX: Male

DAY ON TEST: 609

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa
* Parathyroid Gland	* Seminal Vesicle	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
		Ulcer	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney	Renal Tubule	Necrosis	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node			
Note: NO RENAL LYMPH NODE FOUND.			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 5-5]			
[Infiltration Cellular TGLS = 5-5]			
Lymph Node, Pancreatic		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 9

SEX: Male

DAY ON TEST: 609

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104811

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 4-22]		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
		Cyst	Moderate
	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Minimal
* Salivary Glands		Necrosis	Mild
Note: MODERATE POLYMORPHONUCLEAR CELL INFILTRATE IN SALIVARY (PAROTID) GLAND; NOT TABULATED.			
* Skin	Subcut Tiss	Fibroma	
Note: THE FIBROMA ON SLIDE 21 CONTAINS A MODERATE LIPOCELLULAR COMPONENT.			
[Fibroma TGLS = 1-21]			
* Spleen		Pigmentation	Marked
* Stomach, Forestomach		Edema	Mild
		Ulcer	Moderate
* Stomach, Glandular		Erosion	Minimal
* Testes	Germinal Epith	Atrophy	Marked
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 9

SEX: Male

DAY ON TEST: 711

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104812

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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
	Centrilobular	Necrosis	Moderate
[Necrosis TGLS = 2-6,4-6]			
* Lung		Hemorrhage	Minimal
		Inflammation	Suppurative, Minimal
[Hemorrhage TGLS = 3-2]			
[Inflammation TGLS = 3-2]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 9

SEX: Male

DAY ON TEST: 711

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104812

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
* Adrenal Medulla	Pheochromocytoma Benign	
* Epididymis	Inflammation	Chronic, Mild
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Inflammation	Chronic, Mild
	Nephropathy	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hemorrhage	Minimal
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Minimal
[Clear Cell Focus TGLS = 3-6]		
[Hepatodiaphragmatic Nodule TGLS = 4-22]		
* Lymph Node, Mesenteric	Hemorrhage	Mild
	Infiltration Cellular	Histiocyte, Moderate
Note: THE HISTIOCYTIC INFILTRATION DIAGNOSED IS THAT CONSIDERED IN EXCESS OF BACKGROUND.		
* Pancreas	Atrophy	Moderate
* Preputial Gland	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 211

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104813

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate	Epithelium	Inflammation	Chronic, Moderate
* Skin		Hyperplasia	Minimal
	Subcut Tiss	Cyst Epithelial Inclusion	
		Fibroma	
	[Cyst Epithelial Inclusion TGLS = 1-21]		
	[Fibroma TGLS = 5-23]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		
* Thyroid Gland	C Cell	Adenoma	
Tongue	Epithelium	Hyperplasia	Mild
	[Hyperplasia TGLS = 6-24]		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 9

SEX: Male

DAY ON TEST: 652

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Inflammation	Chronic, Mild
Note: MODERATE EDEMA IN EPIDIDYMIS; MORPHOLOGY UNAVAILABLE ON TDMS.			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 9

SEX: Male

DAY ON TEST: 652

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104814

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 10-24]

* Lymph Node, Mesenteric

Hemorrhage

Minimal

Lymph Node, Pancreatic

Infiltration Cellular

Histiocyte, Moderate

Oral Mucosa

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 8-25]

* Pancreas

Atrophy

Mild

* Pituitary Gland

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Minimal

* Prostate

Adenoma

* Skin

Subcut Tiss

Fibroma

Multiple

[Fibroma TGLS = 1-21,2-22]

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Hematopoietic Cell Proliferation TGLS = 4-6]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 7-3]

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Papilloma

CONTRIBUTORY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma;Thyroid Gland C Cell Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 9

SEX: Male

DAY ON TEST: 673

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104815

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Preputial Gland	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Eye		Hemorrhage Inflammation	Moderate Chronic, Moderate
[Hemorrhage TGLS = 6-44]			
[Inflammation TGLS = 6-44]			
* Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Ectasia TGLS = 3-3]			
[Hyperplasia TGLS = 3-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-21]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 9

SEX: Male

DAY ON TEST: 673

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104815

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tooth		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
[Squamous Cell Carcinoma TGLS = 8-23,8-24,9-9]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Hepatocellular Adenoma TGLS = 5-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-21,3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104816

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

* Prostate

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 9

SEX: Male

DAY ON TEST: 587

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Mild
[Compression TGLS = 3-1]			
* Harderian Gland		Pigmentation	Marked
[Pigmentation TGLS = 4-12]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Prostate		Inflammation	Chronic, Mild
* Salivary Glands		Atrophy	Moderate
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach		Edema	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 9

SEX: Male

DAY ON TEST: 587

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104817

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Erosion

Minimal

* Testes

Germinal Epith

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104818

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	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-7]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Minimal
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104818

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Marked
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 5-44]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:33
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 217

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104819

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 7-21]			
* Pancreas		Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104820

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	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* 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	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Minimal
	Mixed Cell Focus	
[Mixed Cell Focus TGLS = 8-22]		
* Lung	Chordoma	Metastatic (Uncertain Primary Site)
[Chordoma TGLS = 2-21,3-23,4-24,5-25,6-26,7-2]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 9

SEX: Male

DAY ON TEST: 686

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	Spinal Cord	* Stomach, Forestomach	Tooth
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Small, Jejunum * Thymus

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
* Adrenal Medulla	Hyperplasia	Mild
* Bone Marrow	Hyperplasia	Moderate
* Eye	Inflammation	Chronic, Moderate
	Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
[Inflammation TGLS = 7-44]		
[Squamous Cell Carcinoma TGLS = 7-44]		
* Harderian Gland	Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Moderate
* Liver	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
Oral Mucosa	Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 9

SEX: Male

DAY ON TEST: 686

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104821

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 9-9-1]

* Pancreas

Atrophy

Moderate

Peripheral Nerve

Schwannoma Malignant

[Schwannoma Malignant TGLS = 3-21]

* Pituitary Gland

Pars Distalis

Adenoma

Pars Distalis

Hyperplasia

Focal, Mild

[Adenoma TGLS = 8-1]

* Salivary Glands

Schwannoma Malignant

Metastatic (Peripheral Nerve)

Note: SALIVARY GLANDS ARE OBSCURED BY INFILTRATING MALIGNANT SCHWANNOMA (SLIDE 21).

* Spleen

Leukemia Mononuclear

* Stomach, Glandular

Cyst

Note: STOMACH CYST IS LINED WITH STRATIFIED SQUAMOUS EPITHELIUM (RESEMBLES EPITHELIAL INCLUSION CYST).

[Cyst TGLS = 10-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Fibrosis

Mild

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Peripheral Nerve Schwannoma Malignant; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 9

SEX: Male

DAY ON TEST: 543

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104822

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
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Mild
	Centrilobular	Necrosis	Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 1-21]			
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

- Oral Mucosa	Squamous Cell Carcinoma
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 4-24]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Jejunum		Leiomyosarcoma	Metastatic (Intestine Large, Colon)
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-23]			
* Pancreas		Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-7]			
* Skin			

Note: TISSUE ON SLIDE 21 (TGL 1) APPEARS TO BE NORMAL SUBCUTANEOUS FAT.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104823

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5-7]

* Thyroid Gland

Follicle

Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 9

SEX: Male

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104824

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	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid 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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Intestine Small, Jejunum		Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
Lymph Node	Deep Cervical	Ectasia	Marked
	Deep Cervical	Hyperplasia	Lymphoid, Mild
[Ectasia TGLS = 1-21]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 9

SEX: Male

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104824

ORGAN AND ACCOUNTABLE SITE STATUS

Tooth

Malformation

[Malformation TGLS = 2-9]

PRIMARY CAUSE OF DEATH

- Tooth Malformation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	* Bone	* Brain	Coagulating Gland
Ear	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland
Larynx	* Mammary Gland	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Adrenal Medulla	Hyperplasia	Minimal
* Bone Marrow	Myelofibrosis	Moderate
Note: MYELOFIBROSIS HAS ATYPICAL APPEARANCE (ZONES OF PARTIALLY NECROTIC FIBROSIS SURROUNDED BY BLOOD). MARROW IS LARGELY DEVOID OF HEMATOPOIETIC CELLS.		
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Minimal
	Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 2-21]	
	[Mixed Cell Focus TGLS = 5-24]	
* Lung	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104825

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery	Fat	Necrosis	Moderate
Note: FOCUS OF GRANULOMATOUS INFLAMMATION AND OLD HEMORRHAGE WITHIN THE SECTION ON SLIDE 22; CONSIDERED SECONDARY TO FAT NECROSIS. [Necrosis TGLS = 3-22]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-23]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 9

SEX: Male

DAY ON TEST: 689

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 8-25]			
[Hepatodiaphragmatic Nodule TGLS = 7-24]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-22,6-23]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 9

SEX: Male

DAY ON TEST: 689

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104826

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE MONONUCLEAR CELL LEUKEMIA APPEARS TO BE IN AN EARLY STAGE.

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

Ultimobranchial Cyst

Moderate

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibroma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone	Femur	Osteopetrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-7]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:33

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104827

ORGAN AND ACCOUNTABLE SITE STATUS

* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-21,6-21]			
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Carcinoma	
Tongue		Hemorrhage	Chronic, Minimal
		Inflammation	Chronic, Minimal
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104828

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	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Inflammation	Chronic, Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Pancreas		Atrophy	Moderate
		Cyst	Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104828

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104829

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	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-21,3-22]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Moderate
		Cyst	Moderate
	Acinus	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104829

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

Follicle

Cyst

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
* Bone Marrow	Leukemia Mononuclear	
* Heart	Leukemia Mononuclear	
* Intestine Large, Cecum	Edema	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
* Liver	Eosinophilic Focus	
	Infiltration Cellular	Histiocyte, Moderate
	Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 9-22]		
[Infiltration Cellular TGLS = 7-6]		
[Leukemia Mononuclear TGLS = 7-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Moderate
	Leukemia Mononuclear	
[Infiltration Cellular TGLS = 6-5]		
[Leukemia Mononuclear TGLS = 6-5]		
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104830

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-21]			
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 3-23]			
[Leukemia Mononuclear TGLS = 3-23,4-23]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
Tongue		Hemorrhage	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-5]		
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104831

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Hyperplasia

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 3-12]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-21]			
* Pancreas		Atrophy	Minimal
	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 9

SEX: Male

DAY ON TEST: 730

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104832

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

Lymph Node, Pancreatic

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Adenoma	Multiple
		Cyst	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Note: SECTION OF SPLEEN ON SLIDE 21 CONTAINS AN APPARENT DEVELOPMENTAL MALFORMATION; MORPHOLOGY NOT AVAILABLE ON TDMS.	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 9

SEX: Male

DAY ON TEST: 731

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104833

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 9

SEX: Male

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 4-22]			
* Epididymis		Granuloma Sperm	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Ectasia	Moderate
	Deep Cervical	Hyperplasia	Lymphoid, Mild
[Ectasia TGLS = 1-21]			
[Hyperplasia TGLS = 1-21]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

- Bone Osteosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 9

SEX: Male

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104834

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 9

SEX: Male

DAY ON TEST: 640

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
[Leukemia Mononuclear TGLS = 7-10]			
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Dilatation	Mild
		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
[Leukemia Mononuclear TGLS = 13-22]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 9

SEX: Male

DAY ON TEST: 640

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104835

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-5] Lymph Node, Pancreatic		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Mild
[Leukemia Mononuclear TGLS = 5-7] * Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-21] * Nose	Respirat Epith	Hyperplasia Inflammation	Mild Chronic, Mild
* Pancreas		Atrophy	Moderate
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 15-1] * Prostate		Inflammation	Chronic, Marked
[Inflammation TGLS = 11-7-1,12-7-1] * Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 14-23] * Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-24] * Stomach, Glandular		Hyperplasia	Mild
* Testes	Germinal Epith Interstit Cell	Atrophy Hyperplasia	Mild Minimal
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104836

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	* Islets, Pancreatic	* Lung
* Nose	Oral Mucosa	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
Note: A PORTION OF THE PITUITARY GLAND ADENOMA IS ON SLIDE 4.			
[Adenoma TGLS = 5-1]			
* Prostate		Inflammation	Chronic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104836

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	Oral Mucosa	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Metaplasia	Osseous, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Cyst	Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 9

SEX: Male

DAY ON TEST: 687

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
		[Infiltration Cellular TGLS = 5-6]	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
		[Infiltration Cellular TGLS = 7-2]	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 9

SEX: Male

DAY ON TEST: 687

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104838

ORGAN AND ACCOUNTABLE SITE STATUS

[Infiltration Cellular TGLS = 3-7]

[Leukemia Mononuclear TGLS = 3-7]

* Mammary Gland

Hyperplasia

Moderate

Mesentery

Accessory Spleen

[Accessory Spleen TGLS = 4-21]

* Nose

Inflammation

Chronic, Minimal

Oral Mucosa

Squamous Cell Carcinoma

[Squamous Cell Carcinoma TGLS = 8-22]

* Pancreas

Atrophy

Moderate

* Pituitary Gland

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-23]

* Stomach, Forestomach

Edema

Mild

Erosion

Minimal

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 9-7]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 6-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma;Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 9

SEX: Male

DAY ON TEST: 667

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Testes	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 237	TRT#: 9	SEX: Male	DAY ON TEST: 667
	DOSE: 516 MG/L	DISP: Natural Death	HISTO: 104839

ORGAN AND ACCOUNTABLE SITE STATUS

	Hyperplasia	Minimal
Note: MAMMARY GLAND CARCINOMA ON SLIDE 21 IS HEAVILY INFILTRATED AND LARGELY OBSCURED BY MONONUCLEAR CELL LEUKEMIA. [Carcinoma TGLS = 1-21]		
* Nose	Respirat Epith	Hyperplasia Inflammation
		Minimal Chronic, Minimal
* Pancreas		Atrophy
* Pituitary Gland	Pars Distalis	Adenoma
		Minimal
[Adenoma TGLS = 9-1]		
* Prostate		Inflammation
* Skin		Cyst Epithelial Inclusion
		Chronic, Mild
[Cyst Epithelial Inclusion TGLS = 8-23]		
* Spleen		Hemorrhage
		Leukemia Mononuclear
		Mild
[Hemorrhage TGLS = 2-22] [Leukemia Mononuclear TGLS = 3-24]		
* Stomach, Glandular		Hyperplasia
		Minimal

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Carcinoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 9

SEX: Male

DAY ON TEST: 710

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
Oral Mucosa	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Infiltration Cellular	Histiocyte, Mild
		Leiomyosarcoma	Metastatic (Spleen)
		Leukemia Mononuclear	
[Leiomyosarcoma TGLS = 15-6]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
		Infiltration Cellular	Histiocyte, Minimal
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: METASTATIC TUMORS (THYROID CARCINOMA AND APPARENT OSTEOSARCOMA) IN LUNG SECTION ON SLIDE 2.			
[Carcinoma TGLS = 7-25,9-27]			
[Osteosarcoma TGLS = 8-26,10-28,11-29]			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
[Carcinoma TGLS = 12-30]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
Mesentery		Hemangioma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 9

SEX: Male

DAY ON TEST: 710

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104840

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangioma TGLS = 5-23]

* Pancreas

Acinus

Atrophy
Hyperplasia

Minimal
Focal, Mild

Note: ACINAR CELL HYPERPLASIA IS ON SLIDES 4 AND 7.

* Pituitary Gland

Pars Distalis

Cyst

Moderate

* Prostate

Epithelium

Hyperplasia

Mild

* Skin

Angiectasis

Marked

[Angiectasis TGLS = 1-21]

* Spleen

Hematopoietic Cell Proliferation
Leiomyosarcoma
Leukemia Mononuclear

Moderate

[Hematopoietic Cell Proliferation TGLS = 3-22]

[Leiomyosarcoma TGLS = 2-22]

[Leukemia Mononuclear TGLS = 3-22]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 6-24]

PRIMARY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

Animal Note: METASTATIC THYROID GLAND CARCINOMA IN SPLEEN AND LIVER IS MARKEDLY ANAPLASTIC (M ESENCHYMAL APPEARANCE).

Animal Note: TISSUE ON SLIDE 21-1 IS THYROID FOLLICULAR CELL CARCINOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 9

SEX: Male

DAY ON TEST: 605

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Spleen	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Hyperplasia	Minimal
Blood Vessel		Dilatation	Moderate
[Dilatation TGLS = 4-3]			
* Heart		Schwannoma Benign	
* Intestine Large, Colon		Infiltration Cellular	Lymphocyte, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 2-21]			
* Lung		Foreign Body	
		Inflammation	Chronic, Moderate
[Inflammation TGLS = 3-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 9

SEX: Male

DAY ON TEST: 605

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104841

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 6-22]			
* Stomach, Glandular		Infiltration Cellular	Lymphocyte, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 5-3]			
* Urin Bladder			
Note: APPARENT INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104842

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	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Heart		Cardiomyopathy	Minimal
		Inflammation	Chronic, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mediastinal	Hemorrhage	Minimal
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 4-3]			
[Hyperplasia TGLS = 4-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Prostate	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 240

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104842

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia Lipoma	Minimal
Note: EPITHELIAL (MUCOSAL) HYPERPLASIA IS ON SLIDE 21 OVERLYING THE LIPOMA. [Lipoma TGLS = 5-21]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Brain	Compression	Moderate
[Compression TGLS = 7-1]		
* Heart	Cardiomyopathy	Mild
[Schwannoma Malignant TGLS = 8-24]	Schwannoma Malignant	
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hemorrhage	Mild
	Inflammation	Chronic, Mild
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]		
[Eosinophilic Focus TGLS = 5-6]		
[Hemorrhage TGLS = 5-6]		
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 241

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104843

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8,2-21,3-22,4-23]

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-1]

* Preputial Gland

Inflammation

Chronic, Moderate

* Prostate

Inflammation

Chronic, Mild

* Spleen

Leukemia Mononuclear

* Testes

Germinal Epith

Atrophy

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla
* Epididymis
* Intestine Large, Cecum
* Intestine Small, Jejunum
Oral Mucosa
* Salivary Glands
* Thymus
* Urinary Bladder

* Bone
* Esophagus
* Intestine Large, Colon
* Islets, Pancreatic
* Parathyroid Gland
* Seminal Vesicle
* Thyroid Gland

* Bone Marrow
* Eye
* Intestine Large, Rectum
* Mammary Gland
* Preputial Gland
* Skin
Tongue

* Brain
* Harderian Gland
* Intestine Small, Ileum
* Nose
* Prostate
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex
* Heart
* Intestine Small, Duodenum
* Kidney
[Cyst TGLS = 4-22]
* Liver

Bile Duct

* Lung
[Alveolar/Bronchiolar Carcinoma TGLS = 5-23]

* Lymph Node, Mesenteric

Lymph Node, Pancreatic
Mesentery
[Necrosis TGLS = 1-21]

Fat

Degeneration
Cardiomyopathy
Infiltration Cellular
Cyst

Basophilic Focus
Clear Cell Focus
Hyperplasia
Infiltration Cellular
Inflammation
Leukemia Mononuclear
Alveolar/Bronchiolar Carcinoma
Infiltration Cellular

Infiltration Cellular
Leukemia Mononuclear
Infiltration Cellular
Necrosis

Fatty, Minimal
Moderate
Histiocyte, Mild
Moderate

Minimal
Histiocyte, Minimal
Chronic, Minimal

Histiocyte, Minimal

Histiocyte, Mild

Histiocyte, Minimal
Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104844

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
	Pars Intermed	Cyst	Moderate
	Pars Distalis	Cytoplasmic Alteration	Focal, Mild
Note: CYTOPLASMIC ALTERATION IS FOCAL AREA OF CELLS IN PARS DISTALIS WITH SLIGHTLY DISTENDED, PALE CYTOPLASM.			
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104845

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	* Islets, Pancreatic	* Lung	Lymph Node, Pancreatic
* Mammary Gland	Oral Mucosa	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Nose		Inflammation	Chronic, Minimal
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
		[Angiectasis TGLS = 2-1]	
		[Hyperplasia TGLS = 2-1]	
* Preputial Gland		Inflammation	Chronic, Moderate
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104845

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Oral Mucosa		Squamous Cell Carcinoma	
Note: SQUAMOUS CELL CARCINOMA IS ON SLIDE 9-1.			
* Pancreas		Atrophy	Minimal
		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104846

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin	Acinus	Hyperplasia	Focal, Mild
[Fibroma TGLS = 4-21]	Subcut Tiss	Fibroma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]	Germinal Epith	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	Oral Mucosa
* Parathyroid Gland	* Prostate	* Seminal Vesicle	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

Lymph Node, Pancreatic

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-10]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 9

SEX: Male

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104847

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Skin

Squamous Cell Papilloma

[Squamous Cell Papilloma TGLS = 1-21]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 9

SEX: Male

DAY ON TEST: 557

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-23,10-5]		
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-24]		
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 2-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 9

SEX: Male

DAY ON TEST: 557

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 104848

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas Note: PANCREAS LEUKEMIA IS ON SLIDE 24.		Leukemia Mononuclear	
* Pituitary Gland [Adenoma TGLS = 13-1]	Pars Distalis	Adenoma	
* Prostate [Inflammation TGLS = 12-7-1]		Inflammation	Chronic, Moderate
* Spleen [Leukemia Mononuclear TGLS = 3-22,4-22]		Leukemia Mononuclear	
* Thyroid Gland Tongue	Vein	Ultimobranchial Cyst Thrombosis	Moderate Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 9

SEX: Male

DAY ON TEST: 710

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver		Degeneration	Cystic, Minimal
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 9-22]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 7-5]		
	[Leukemia Mononuclear TGLS = 7-5]		
Lymph Node, Pancreatic		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-7]		
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 247	TRT#: 9	SEX: Male	DAY ON TEST: 710
	DOSE: 516 MG/L	DISP: Moribund Sacrifice	HISTO: 104849

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Marked
	[Leukemia Mononuclear TGLS = 6-21]		
	[Necrosis TGLS = 6-21]		
* Pancreas		Atrophy	Mild
		Cyst	Moderate
* Preputial Gland		Cyst	Moderate
	[Cyst TGLS = 1-8]		
* Prostate		Inflammation	Chronic, Mild
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 10-24]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-23]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 9

SEX: Male

DAY ON TEST: 617

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	Oral Mucosa	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Pigmentation	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 10-23]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 9

SEX: Male

DAY ON TEST: 617

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 104850

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
[Leukemia Mononuclear TGLS = 8-7]		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-21]			
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
* Parathyroid Gland		Adenoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-22]			
* Stomach, Glandular		Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104851

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
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas	Acinus	Adenoma	
		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 249

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104851

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate	Epithelium	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 9

SEX: Male

DAY ON TEST: 734

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 104852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Oral Mucosa	* Parathyroid Gland	Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Minimal
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
	Cornea	Hyperplasia	Mild
[Cataract TGLS = 1-44]			
[Hyperplasia TGLS = 1-44]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
Note: DUODENUM IS ON SLIDE 3 AND JEJUNUM IS ON SLIDE 4.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-23]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 250	TRT#: 9	SEX: Male	DAY ON TEST: 734
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 104852

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 5-24]		Fibroadenoma	
* Nose [Cyst TGLS = 3-22]	Nasolacrim Dct	Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
* Preputial Gland		Adenoma	
* Stomach, Glandular	Glands	Dilatation	Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urin Bladder Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	* Ovary	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Kidney	Renal Tubule	Necrosis	Marked
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 4-21,9-23]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Erosion	Mild

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104853

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 2

SEX: Female

DAY ON TEST: 707

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Moderate
[Compression TGLS = 10-1]			
* Heart		Cardiomyopathy	Moderate
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Angiectasis TGLS = 8-6]			
[Basophilic Focus TGLS = 8-6,14-27]			
[Eosinophilic Focus TGLS = 12-25]			
[Mixed Cell Focus TGLS = 13-26,15-28]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mediastinal	Pigmentation	Marked
[Hemorrhage TGLS = 9-3]			
[Pigmentation TGLS = 9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 252	TRT#: 2	SEX: Female	DAY ON TEST: 707
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 104854

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Marked
[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24] [Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 6-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Moderate Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104855

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	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum [Leiomyoma TGLS = 7-23]		Leiomyoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 3-6,8-25]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Minimal Histiocyte, Mild
[Hyperplasia TGLS = 5-24] [Infiltration Cellular TGLS = 5-24]			
Lymph Node	Mediastinal Mediastinal	Hemorrhage Hyperplasia	Minimal Lymphoid, Mild
[Hemorrhage TGLS = 4-3] [Hyperplasia TGLS = 4-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Hemorrhage Infiltration Cellular Pigmentation	Mild Histiocyte, Moderate Moderate
[Hemorrhage TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104855

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 2-7]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Necrosis	Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Moderate
		Thrombosis	Moderate
[Thrombosis TGLS = 9-12]			
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
[Fatty Change TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 736

HISTO: 104856

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 6-5]		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Moderate
Note: FIBROADENOMAS ARE PRESENT ON SLIDES 8 AND 22. [Fibroadenoma TGLS = 12-22]			
* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Cyst	Marked Moderate
[Angiectasis TGLS = 10-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 11-21]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 11-4,11-21]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Carcinoma;Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 2

SEX: Female

DAY ON TEST: 689

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
Tongue	* Trachea	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Necrosis	Mild
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 2-21]			
* Eye	Retina	Degeneration	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Necrosis	Moderate
[Necrosis TGLS = 7-25]			
* Liver		Leukemia Mononuclear	
	Centrilobular	Necrosis	Mild
	Kupffer Cell	Pigmentation	Mild
[Leukemia Mononuclear TGLS = 13-6]			
[Necrosis TGLS = 13-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-22]			
[Leukemia Mononuclear TGLS = 9-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 689

HISTO: 104857

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-23]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-7]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery			
Note: Pancreatc lymph node is normal			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-1]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-24]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22,3-23,6-24]		Hyperplasia	Minimal
[Hyperplasia TGLS = 5-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-25]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104859

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, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 7-23]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,3-22]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104859

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Esophagus	* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex [Hypertrophy TGLS = 3-10]		Hypertrophy	Focal, Minimal
* Clitoral Gland		Hyperplasia Inflammation	Mild Chronic, Mild
* Heart Note: THE SCHWANNOMA APPEARS TO BE IN AN EARLY STAGE. [Schwannoma Malignant TGLS = 6-12]		Schwannoma Malignant	
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 4-6]		Basophilic Focus Hepatodiaphragmatic Nodule Inflammation	Chronic, Minimal
* Lung [Infiltration Cellular TGLS = 5-2]		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21] [Hyperplasia TGLS = 1-22]		Fibroadenoma Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104860

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 489

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Compression	Mild
		Hemorrhage	Mild
[Compression TGLS = 7-1]			
Lymph Node	Deep Cervical	Hemorrhage	Mild
[Hemorrhage TGLS = 3-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104862

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	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 1-8]		Cyst	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 3-6]		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Hyperplasia TGLS = 2-8]		Hyperplasia	Moderate
* Pancreas	Acinus	Hyperplasia	Focal, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 2

SEX: Female

DAY ON TEST: 580

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Schwannoma Malignant	Metastatic (Uterus)
[Schwannoma Malignant TGLS = 1-21,2-23]			
Vagina		Schwannoma Malignant	Metastatic (Vagina)
[Schwannoma Malignant TGLS = 5-24]			

PRIMARY CAUSE OF DEATH

- Uterus Schwannoma Malignant Uterus

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104864

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-22]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,7-23]		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104864

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 11-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-23]		Hyperplasia	Minimal
[Hyperplasia TGLS = 4-8]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 9-6]		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 8-26]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 263	TRT#: 2	SEX: Female	DAY ON TEST: 737
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104865

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-22,6-24]			
[Hyperplasia TGLS = 1-21,5-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 7-25]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 10-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
Tongue		Inflammation	Chronic, Minimal
* Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 689

HISTO: 104866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Adrenal Medulla	* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Infiltration Cellular	Histiocyte, Marked
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 3-22,6-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104867

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, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 5-26]		Carcinoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 8-24]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 10-27]			
[Inflammation TGLS = 10-27]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Pigmentation	Moderate
[Hemorrhage TGLS = 7-7]			
[Infiltration Cellular TGLS = 7-7]			
[Pigmentation TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104867

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

Multiple

Hyperplasia

Marked

[Fibroadenoma TGLS = 2-21,3-22]

[Hyperplasia TGLS = 1-8,4-23]

Mesentery

Fat

Necrosis

Moderate

[Necrosis TGLS = 9-25]

* Pituitary Gland

Pars Distalis

Angiectasis

Minimal

Pars Distalis

Cyst

Moderate

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 618

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104868

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, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Mild
		Inflammation	Chronic, Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8,3-8]		
* Pancreas		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 4-6]		
* Stomach, Glandular		Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 7-22]		

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 618

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104868

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL 6=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 618

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Leukemia Mononuclear	
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-5]			
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 7-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 267	TRT#: 2	SEX: Female	DAY ON TEST: 618
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104869

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]		Leukemia Mononuclear	
[Cyst TGLS = 6-1]			
[Leukemia Mononuclear TGLS = 6-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 104870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 4-25]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 10-24]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22,7-23]			
[Hyperplasia TGLS = 3-8]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104870

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 9-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104871

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, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Stomach, Forestomach	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 3-10]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 270	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104872

ORGAN AND ACCOUNTABLE SITE STATUS

[Angiectasis TGLS = 6-1]			
[Cyst TGLS = 6-1]			
* Salivary Glands		Atrophy	Moderate
* Skin	Sebaceous Gl	Adenoma	
[Adenoma TGLS = 7-22]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 7-23]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104873

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

[Polyp Stromal TGLS = 4-7]

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 654

HISTO: 104874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Marked
		Degeneration	Fatty, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
		Cyst	Moderate
[Carcinoma TGLS = 5-23]			
[Cyst TGLS = 4-23]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Marked
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
	Centrilobular	Necrosis	Moderate
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 9-24]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-21,6-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 272	TRT#: 2	SEX: Female	DAY ON TEST: 654
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104874

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
* Stomach, Glandular		Ulcer	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Clitoral Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-23]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,2-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104875

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-23]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Marked
		Leukemia Mononuclear	
	Renal Tubule	Necrosis	Mild
[Infarct TGLS = 5-22]			
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 2

SEX: Female

DAY ON TEST: 700

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104876

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node [Hyperplasia TGLS = 7-3]	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
[Adenoma TGLS = 12-1]			
[Cyst TGLS = 11-1]			
* Spleen [Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Clitoral Gland Carcinoma;Kidney Transit Epithe Hyperplasia;Pituitary Gland Pars Distalis Adenoma

Animal Note: TGL 10=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 7-21]			
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 5-1,6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104877

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Moderate

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: 0 MG/L

DISP: Natural Death

HISTO: 104878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|-------------------|---------------------------|----------------------|
| * Adrenal Medulla | * Bone | * Clitoral Gland | * Esophagus |
| * Eye | * Heart | * Intestine Large, Rectum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | Oral Mucosa | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Thyroid Gland | Tongue | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

- | | | |
|-----------------------------|--------------------------|----------------------------|
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
|-----------------------------|--------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|--------------------------------------|-----|----------------------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear
Necrosis | Marked |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Harderian Gland | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | | Leukemia Mononuclear | |
| * Intestine Large, Colon | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Basophilic Focus
Fatty Change | Moderate |
| | | Leukemia Mononuclear
Necrosis | Mild |
| [Leukemia Mononuclear TGLS = 5-6] | | | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-5] | | | |
| Lymph Node, Pancreatic | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-22] | | | |
| Mesentery | Fat | Necrosis | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 276	TRT#: 2	SEX: Female	DAY ON TEST: 575
	DOSE: 0 MG/L	DISP: Natural Death	HISTO: 104878

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2-21]			
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-23]			
* Stomach, Forestomach		Edema	Moderate
	Epithelium	Hyperplasia	Moderate
		Ulcer	Moderate
* Stomach, Glandular		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
Vagina		Angiectasis	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 631

HISTO: 104879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Kidney	* Lung	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Tongue
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AUTO PRECLUDES DIAG.

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

* Liver		Basophilic Focus	
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-8]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-21]			
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Compression	Mild
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-22,3-23]		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104880

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue [Hyperplasia TGLS = 8-24]	Epithelium	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104881

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-22,3-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-24]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104881

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
[Adenoma TGLS = 1-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104883

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Hyperplasia Inflammation	Mild Chronic, Moderate
[Inflammation TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 104883

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104884

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, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney	Transit Epithe	Hyperplasia	Moderate
		Infarct	Moderate
		Inflammation	Chronic, Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Necrosis	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,2-21,3-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-22,7-23]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104884

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 524

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104885

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, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,5-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 104886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Adenoma	
* Adrenal Medulla	Pheochromocytoma Benign	
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
[Basophilic Focus TGLS = 5-6]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-22]		
[Hyperplasia TGLS = 4-8]		
* Ovary	Cyst	Moderate
[Cyst TGLS = 3-7]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate
* Thyroid Gland	C Cell	Mild
	Hyperplasia	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104887

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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 7-6]			
[Clear Cell Focus TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 9-25]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-22,4-23,5-24]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 285	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104887

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 8-1]			
* Salivary Glands		Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hypertrophy	Mild
* Heart	Cardiomyopathy	Moderate
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
	Necrosis	Minimal
[Basophilic Focus TGLS = 4-6]		
[Hepatodiaphragmatic Nodule TGLS = 5-22]		
* Lung	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 1-8]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Pigmentation	Moderate
* Stomach, Glandular	Hyperplasia	Minimal
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104888

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: RECTUM IS ON SLIDE 3.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104889

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104890

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	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 5-2]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104890

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104891

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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Marked
Note: ADENOMA IS ON SLIDE 8 NEAR SALIVARY GLAND.			
			[Fibroadenoma TGLS = 1-22]
			[Hyperplasia TGLS = 2-8]
* Nose		Foreign Body	
		Inflammation	Chronic, Minimal
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Intermed	Angiectasis	Mild
			[Angiectasis TGLS = 3-1]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104891

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 595

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	Vagina	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Eye		Cataract	Moderate
[Cataract TGLS = 8-44]	Retina	Degeneration	Marked
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,2-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 3-22]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 595

HISTO: 104892

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Inflammation

Chronic, Minimal

* Uterus

Hyperplasia

Cystic, Mild

[Hyperplasia TGLS = 4-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 721

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* 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	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 11-1]			
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 10-6]		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 9-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
Note: THE ONLY SECTION OF THE TGL 4 MAMMARY FIBROADENOMA WITH A VISIBLE GLANDULAR COMPONENT IS ON SLIDE 4-23-1.			
[Fibroadenoma TGLS = 3-22,4-23,4-23-1,4-23-2]			
[Hyperplasia TGLS = 1-21,2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 291	TRT#: 2	SEX: Female	DAY ON TEST: 721
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104893

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 7-7]		Cyst	Moderate
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 12-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 6-6]			

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104894

ORGAN AND ACCOUNTABLE SITE STATUS

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 5-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lacrimal Gland	Lymph Node, Pancreatic
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
[Accessory Adrenal Cortical Nodule TGLS = 4-10]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Eye		Cataract	Moderate
	Retina	Degeneration	Moderate
[Cataract TGLS = 7-44]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-23]			
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104895

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 618

HISTO: 104896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
	[Fatty Change TGLS = 7-6]		
	[Leukemia Mononuclear TGLS = 6-6,7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-3]		
	[Leukemia Mononuclear TGLS = 10-22]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
Lymph Node, Pancreatic		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 2

SEX: Female

DAY ON TEST: 618

DOSE: 0 MG/L

DISP: Moribund Sacrifice

HISTO: 104896

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-7]

* Mammary Gland

Fibroadenoma

Hyperplasia

Moderate

[Fibroadenoma TGLS = 2-21]

[Hyperplasia TGLS = 1-8]

Mesentery

Note: ACCESSORY SPLEEN IN MESENTERY NEXT TO PANCREAS ON SLIDE 7.

* Pancreas

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6]

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 9-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma;Thyroid Gland C Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 737

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104897

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	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Skin	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

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

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-8]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6]		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21,3-22]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 295	TRT#: 2	SEX: Female	DAY ON TEST: 737
	DOSE: 0 MG/L	DISP: Terminal Sacrifice	HISTO: 104897

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
[Carcinoma TGLS = 8-3]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

Lymph Node, Pancreatic

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Moderate
* Adrenal Medulla	Hyperplasia	Minimal
* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Minimal
[Basophilic Focus TGLS = 4-6]		
[Hepatodiaphragmatic Nodule TGLS = 3-21]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Marked
[Fibroadenoma TGLS = 5-22,6-23,7-24]		
[Hyperplasia TGLS = 1-8]		
* Ovary	Cyst	Moderate
* Pancreas	Cyst	Moderate
* Pituitary Gland	Cyst	Moderate
* Spleen	Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104898

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 623

HISTO: 104899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain [Carcinoma TGLS = 9-1]		Carcinoma	Metastatic (Pituitary Gland)
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus	
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node [Hemorrhage TGLS = 6-3] [Hemorrhage TGLS = 7-22]	Mediastinal	Hemorrhage	Moderate
		Hemorrhage	Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic [Hemorrhage TGLS = 3-7]		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 11-23] [Hyperplasia TGLS = 1-8]		Fibroadenoma	
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 297	TRT#: 2	SEX: Female	DAY ON TEST: 623
	DOSE: 0 MG/L	DISP: Moribund Sacrifice	HISTO: 104899

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 2-21]	Fat	Necrosis	Moderate
* Nose		Foreign Body Inflammation	Chronic, Mild
* Ovary		Cyst	Moderate
* Pituitary Gland [Carcinoma TGLS = 10-1]	Pars Distalis	Carcinoma	
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Moderate

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 6-6]			
[Eosinophilic Focus TGLS = 6-6,9-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-2]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104900

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Moderate

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
	[Alveolar/Bronchiolar Adenoma TGLS = 3-23]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 1-21,2-22]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 735

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 104902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 9-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21,4-23,5-24]			
[Hyperplasia TGLS = 8-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 7-25]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 10-1]			
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

DOSE: 0 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104902

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 104903

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Skin

Basal Cell Carcinoma

[Basal Cell Carcinoma TGLS = 1-21]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-6,4-6]

* Uterus

Hyperplasia

Cystic, Minimal

[Hyperplasia TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 657

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
	Mediastinal	Pigmentation	Mild
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Nose		Foreign Body	
		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 657

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104904

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Pigmentation	Moderate
* Urin Bladder		
Note: INFUSION ARTIFACT IN URINARY BLADDER.		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 3-7]		

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	Tongue
* Trachea	* Urinary Bladder	Vagina	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
* Kidney	Renal Tubule	Necrosis	Mild
[Necrosis TGLS = 5-22]			
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Minimal
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 2-8,3-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 9-23]			
* Pancreas		Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 689

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104905

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-6]

* Stomach, Glandular

Erosion

Mild

[Erosion TGLS = 12-4]

* Thyroid Gland

C Cell

Hyperplasia

Mild

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Compression	Moderate
[Compression TGLS = 10-1]			
* Clitoral Gland		Carcinoma	Multiple
[Carcinoma TGLS = 2-23,3-23]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 6-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 8-22]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hemorrhage TGLS = 7-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 304	TRT#: 4	SEX: Female	DAY ON TEST: 734
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104906

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
Note: MAMMARY GLAND HYPERPLASIA IS MORE SEVERE ON SLIDE 21.			
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 2-21,3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104907

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 7-2]			
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 6-3]			
[Hyperplasia TGLS = 6-3]			
[Pigmentation TGLS = 6-3]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104908

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 3-7,4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 632

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
		Necrosis	Mild
[Fatty Change TGLS = 3-6]			
[Leukemia Mononuclear TGLS = 3-6]			
[Necrosis TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 5-21]			
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 632

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104909

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

* Spleen

Leukemia Mononuclear

* Stomach, Forestomach

Epithelium

Hyperplasia

Mild

Ulcer

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 605

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Parathyroid Gland	* Skin	* Stomach, Glandular
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 7-1]			
* Clitoral Gland		Carcinoma	
		Inflammation	Chronic, Moderate
[Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Fibrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 308	TRT#: 4	SEX: Female	DAY ON TEST: 605
	DOSE: 14.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104910

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
	[Fibrosis TGLS = 3-22]		
	[Leukemia Mononuclear TGLS = 4-22]		
	[Necrosis TGLS = 3-22]		
* Stomach, Forestomach		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 5-7]		

PRIMARY CAUSE OF DEATH	- Spleen Leukemia Mononuclear
CONTRIBUTORY CAUSE OF DEATH	- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 646

HISTO: 104911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Angiectasis	Moderate
[Angiectasis TGLS = 5-10]			
* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hemorrhage	Moderate
	Centrilobular	Necrosis	Moderate
[Hemorrhage TGLS = 4-6]			
[Necrosis TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 10-2]			
* Lymph Node, Mesenteric		Hemorrhage	Moderate
[Hemorrhage TGLS = 8-5]			
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Ovary		Angiectasis	Moderate
[Angiectasis TGLS = 7-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 646

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104911

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Moderate

Pars Intermed

Cyst

Moderate

[Angiectasis TGLS = 11-1]

* Spleen

Hematopoietic Cell Proliferation

Moderate

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
Note: MIXED CELL FOCUS IS ON SLIDE 21.			
[Basophilic Focus TGLS = 2-21,3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pancreas		Atrophy	Marked
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104912

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 461

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104913

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Fibrosarcoma	
[Fibrosarcoma TGLS = 1-8]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Skin	Subcut Tiss	Fibrosarcoma	
Note: SKIN FIBROSARCOMA HAS ATYPICAL MORPHOLOGY (MANY CELLS WITH OVAL TO ROUND NUCLEI; ABUNDANT INTERSTITIAL COLLAGENOUS MATERIAL).			
[Fibrosarcoma TGLS = 2-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	Follicle	Cyst	Moderate
* Urin Bladder			
Note: INFUSION ARTIFACT IN URINARY BLADDER.			

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 461

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104913

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Marked
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
	Renal Tubule	Pigmentation	Moderate
	[Leukemia Mononuclear TGLS = 8-5]		
	[Pigmentation TGLS = 8-5]		
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-3]		
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5]		
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104914

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7]		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia Leukemia Mononuclear	Focal, Minimal
[Hyperplasia TGLS = 12-1]			
* Salivary Glands		Vacuolization Cytoplasmic	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Stomach, Glandular		Erosion Hyperplasia	Moderate Minimal
[Erosion TGLS = 13-22]			
* Uterus		Hyperplasia	Cystic, Mild
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Carcinoma	Fatty, Minimal Focal, Minimal
* Clitoral Gland			
Note: A LIMITED AMOUNT OF THE CLITORAL GLAND CARCINOMA WAS AVAILABLE FOR SECTIONING.			
[Carcinoma TGLS = 2-23,2-23-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[Fibroadenoma TGLS = 7-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	Moderate
[Cyst TGLS = 6-1]			
* Skin	Subcut Tiss	Lipoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104915

ORGAN AND ACCOUNTABLE SITE STATUS

[Lipoma TGLS = 1-21]

* Spleen

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Vagina

Polyp

[Polyp TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Clitoral Gland		Carcinoma	Multiple
[Carcinoma TGLS = 3-22,4-23]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
[Basophilic Focus TGLS = 5-6]			
[Eosinophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Moderate
[Adenoma TGLS = 1-8]			
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104916

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

* Salivary Glands

Atrophy

Minimal

* Stomach, Glandular

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
* Brain	Compression	Moderate
[Compression TGLS = 7-1]		
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Inflammation	Chronic, Minimal
Note: BASOPHILIC FOCI ARE ON SLIDES 6 AND 23.		
[Basophilic Focus TGLS = 8-23]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Hemorrhage	Minimal
* Mammary Gland	Carcinoma	
	Fibroadenoma	
	Hyperplasia	Mild
[Carcinoma TGLS = 3-22]		
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 1-8]		
* Ovary	Cyst	Moderate
[Cyst TGLS = 4-7]		
* Pituitary Gland	Pars Distalis	Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 315	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104917

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Moderate
		Hyperplasia	Focal, Moderate
* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
[Eosinophilic Focus TGLS = 10-25,11-26,12-27,15-30]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 6-3]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Carcinoma TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 316	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104918

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 4-22,5-23]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tongue	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 9-24]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104919

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, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
Note: THE FIBROADENOMAS ON SLIDES 21 AND 22 CONTAIN EXTENSIVE CYSTIC SPACES.			
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gl			
Note: PITUITARY GLAND SEVERELY DISTORTED DURING TISSUE COLLECTION.			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Hemorrhage	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104919

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	Tongue
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OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Carcinoma	Fatty, Moderate Focal, Mild
* Clitoral Gland [Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy Schwannoma Malignant	Minimal
Note: THE SCHWANNOMA IS SMALL AND APPEARS TO BE IN AN EARLY STAGE.			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Moderate Minimal
* Liver		Basophilic Focus Infiltration Cellular Leukemia Mononuclear	Histiocyte, Minimal
[Basophilic Focus TGLS = 3-6] [Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Note: LUNGS WERE NOT INFUSED WITH FORMALIN AT NECROPSY.			
* Lymph Node, Mesenteric		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104920

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]	Pars Intermed	Angiectasis	Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-3]	C Cell	Hyperplasia	Moderate
* Uterus		Hemorrhage	Marked
Note: TGL 2 IS A FOCAL AREA OF WHAT APPEARS TO BE OLD HEMORRHAGE IN THE UTERINE LUMEN.			
[Hemorrhage TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 718

HISTO: 104921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Necrosis	Marked
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
		Necrosis	Minimal
	Kupffer Cell	Pigmentation	Mild
		Regeneration	
[Leukemia Mononuclear TGLS = 6-6]			
[Regeneration TGLS = 8-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 319	TRT#: 4	SEX: Female	DAY ON TEST: 718
	DOSE: 14.3 MG/L	DISP: Natural Death	HISTO: 104921

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
[Adenoma TGLS = 10-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 11-4,11-23]			

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 560

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104922

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, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-2]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104923

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Eosinophilic Focus TGLS = 6-23]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 321	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104923

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration Carcinoma	Moderate Fatty, Mild
* Clitoral Gland [Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 7-6]		Basophilic Focus Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 3-22,4-23,5-24,9-26] [Hyperplasia TGLS = 2-8]		Fibroadenoma Hyperplasia	Multiple Moderate
Mesentery [Necrosis TGLS = 8-25]	Fat	Necrosis	Moderate
* Ovary [Cyst TGLS = 6-7]		Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 322	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104924

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 104925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Carcinoma Compression	Metastatic (Pituitary Gland) Moderate
[Carcinoma TGLS = 10-1]			
[Compression TGLS = 10-1]			
* Eye	Retina	Cataract Degeneration	Minimal Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Eosinophilic Focus	
[Eosinophilic Focus TGLS = 8-23]			
* Lung		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Marked
[Fibroadenoma TGLS = 5-21,6-22]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 7-7]			
* Pancreas		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 323	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104925

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Carcinoma TGLS = 9-1]	Pars Distalis	Carcinoma	
* Spleen		Pigmentation	Moderate
* Stomach, Forestomach [Edema TGLS = 12-24]		Edema	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Lung		Carcinoma	Metastatic (Clitoral Gland)
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 4-7]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104926

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Hematopoietic Cell Proliferation TGLS = 3-6]

[Leukemia Mononuclear TGLS = 3-6]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

Note: THE UTERINE STROMAL POLYP IS MARKEDLY NECROTIC WITH LITTLE VISIBLE CELLULAR DETAIL.

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Minimal
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 3-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104928

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 554

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Salivary Glands	* Skin
* Stomach, Forestomach	Tongue	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-1]			
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 9-6]		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Leukemia Mononuclear TGLS = 13-2]		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-21]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Leukemia Mononuclear TGLS = 8-5]		Leukemia Mononuclear	
Lymph Node, Pancreatic		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Mammary Gland		Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 554

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104929

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]

* Pancreas

Leukemia Mononuclear

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 16-1]

* Spleen

Fibrosis

Moderate

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-23]

* Stomach, Glandular

Ulcer

Mild

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 12-3]

* Uterus

Leukemia Mononuclear

Polyp Stromal

[Leukemia Mononuclear TGLS = 6-7]

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

Animal Note: DETACHED SECTION OF STROMAL POLYP IS PRESENT ON SLIDE 22, PRESUMABLY ORIGINATING IN UTERUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 6-10]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy Inflammation	Moderate Chronic, Moderate
* Intestine Large, Cecum		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet Nephropathy	Moderate Minimal
* Liver		Basophilic Focus Clear Cell Focus Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Minimal Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 328	TRT#: 4	SEX: Female	DAY ON TEST: 736
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104930

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Leukemia Mononuclear Fibroadenoma Hyperplasia	Multiple Moderate
[Fibroadenoma TGLS = 2-21,3-22] [Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-23]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	Multiple
Note: MALIGNANT PHEOCHROMOCYTOMAS ARE ON SLIDES 10 AND 28.			
[Pheochromocytoma Malignant TGLS = 5-28]			
* Bone Marrow		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Necrosis	Moderate
		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
[Necrosis TGLS = 10-26]			
[Pheochromocytoma Malignant TGLS = 6-22,7-23,8-24,9-25,10-26,11-6]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 12-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104931

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8] Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-21] * Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 13-1] * Spleen		Leukemia Mononuclear Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
[Pheochromocytoma Malignant TGLS = 4-27] * Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: POSSIBLE FIXATION ARTIFACT IN LIVER (FOCI OF COLORLESS SPICULES APPROXIMATELY 20-50 MICRONS IN LENGTH).			
[Basophilic Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104932

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104933

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	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	Lymph Node, Pancreatic	Mesentery	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 3-24]			
* Heart		Cardiomyopathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Minimal
* Lung		Alveolar/Bronchiolar Adenoma	
	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 7-25]			
[Hyperplasia TGLS = 8-26,11-2]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 4-22]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 9-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:34
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 331	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104933

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Schwannoma Malignant TGLS = 1-21]	Subcut Tiss	Schwannoma Malignant	
* Spleen		Hematopoietic Cell Proliferation Pigmentation	Mild Mild
* Thyroid Gland * Uterus [Polyp Stromal TGLS = 5-7]	C Cell	Hyperplasia Polyp Stromal	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: PANCREATIC LYMPH NODE PRESENT ON SLIDE 23 ALONG WITH NORMAL MESENTERY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 2-22]		Pheochromocytoma Malignant	
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 3-6]		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-21]		Fibroadenoma	
		Hyperplasia	Moderate
* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 4-1]	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH - Adrenal Medulla Pheochromocytoma Malignant

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 618

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104934

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:34

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 387

DOSE: 14.3 MG/L

DISP: Natural Death

HISTO: 104935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Bone Marrow		Myelofibrosis	Marked
* Liver		Leukemia Mononuclear	
		Necrosis	Marked
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-2]			
[Infiltration Cellular TGLS = 4-2]			
[Leukemia Mononuclear TGLS = 4-2]			
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
[Hyperplasia TGLS = 7-22]		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]	Pars Intermed	Angiectasis	Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104936

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland
[Adenoma TGLS = 6-3]

C Cell

Pigmentation
Adenoma

Moderate

* Uterus
[Polyp Stromal TGLS = 4-7]

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Eye
* Harderian Gland	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Minimal
		Hypertrophy	Focal, Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
[Compression TGLS = 5-1]			
* Clitoral Gland		Adenoma	
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Moderate
		Nephropathy	Minimal
[Infarct TGLS = 7-5]			
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Hepatocellular Adenoma	
Note: ANGIECTASIS IS ON SLIDE 21.			
[Hepatocellular Adenoma TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 335	TRT#: 4	SEX: Female	DAY ON TEST: 735
	DOSE: 14.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104937

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 2-7]		Cyst	Moderate
* Pancreas		Atrophy Cyst	Mild Moderate
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate
* Uterus [Polyp Stromal TGLS = 3-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	Multiple
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
[Hepatodiaphragmatic Nodule TGLS = 3-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-21,2-22]			
* Nose	Nasolacrim Dct	Cyst	Moderate
[Cyst TGLS = 8-9-1]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104938

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
* Clitoral Gland		Carcinoma	Multiple
[Carcinoma TGLS = 4-24]			
* Heart		Cardiomyopathy	Moderate
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Inflammation	Chronic, Mild
[Angiectasis TGLS = 8-25]			
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 6-23]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104939

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Moderate

[Hyperplasia TGLS = 7-1]

* Salivary Glands

Atrophy

Mild

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Minimal

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain	Compression	Marked
[Compression TGLS = 9-1]		
* Clitoral Gland	Adenoma	
[Adenoma TGLS = 6-8]		
* Heart	Cardiomyopathy	Minimal
* Liver	Basophilic Focus	
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]		
[Leukemia Mononuclear TGLS = 7-6]		
[Mixed Cell Focus TGLS = 7-6]		
* Lung	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-2]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Minimal
[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24]		
[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104940

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 10-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Hyperplasia Adenoma	Moderate Focal, Minimal
* Clitoral Gland [Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia Inflammation Nephropathy	Mild Chronic, Mild Mild
* Liver [Basophilic Focus TGLS = 8-6]		Basophilic Focus Inflammation	Chronic, Minimal
* Lung Lymph Node	Mediastinal Mediastinal	Infiltration Cellular Hemorrhage Pigmentation	Histiocyte, Minimal Mild Moderate
[Hemorrhage TGLS = 5-3] [Pigmentation TGLS = 5-3]			
* Mammary Gland [Fibroadenoma TGLS = 3-21,4-22] [Hyperplasia TGLS = 2-8,9-24]		Fibroadenoma Hyperplasia	Multiple Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104941

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-23]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Pancreas
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Glandular	* Thymus	Tongue	Tooth
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Liver		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 8-23,9-24,10-25,11-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-8,2-21,4-22]			
[Hyperplasia TGLS = 1-8]			
* Parathyroid Gland		Hyperplasia	Mild
Note: PARATHYROID GLAND HYPERPLASIA IS UNILATERAL.			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104942

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

Edema

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 104943

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, Jejunum	* Islets, Pancreatic
* Kidney	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,9-25]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22,4-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 341	TRT#: 4 DOSE: 14.3 MG/L	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 104943
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ORGAN AND ACCOUNTABLE SITE STATUS			
* Nose	Respirat Epith	Hyperplasia Inflammation	Mild Chronic, Minimal
* Pituitary Gland	Pars Distalis Pars Distalis Pars Distalis	Adenoma Cyst Hyperplasia	Moderate Focal, Minimal
[Cyst TGLS = 8-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Mesentery	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Brain | * Esophagus |
| * Eye | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Nose | Oral Mucosa | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| Tongue | * Trachea | * Urinary Bladder | * Uterus |
| Vagina | | | |

MISSING

- * Lymph Node, Mandibular

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|-----------------------|---------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Clitoral Gland | | Carcinoma | |
| [Carcinoma TGLS = 2-21] | | | |
| * Intestine Small, Ileum | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 7-6] | | | |
| [Leukemia Mononuclear TGLS = 7-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| Lymph Node, Pancreatic | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-7] | | | |
| * Mammary Gland | | Hyperplasia | Minimal |
| [Hyperplasia TGLS = 1-8] | | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| | | Leukemia Mononuclear | |
| [Angiectasis TGLS = 8-1] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104945

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 8-1]

* Skin

Edema

Mild

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-6]

* Stomach, Glandular

Hyperplasia

Minimal

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 686

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mesenteric	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Liver		Fatty Change	Mild
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Carcinoma TGLS = 4-22]			
[Fibroadenoma TGLS = 2-21,7-23]			
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 344	TRT#: 4	SEX: Female	DAY ON TEST: 686
	DOSE: 14.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104946

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Moderate
Note: LEUKEMIA APPEARS TO BE IN AN EARLY STAGE.			
* Stomach, Forestomach	Epithelium	Edema Hyperplasia Ulcer	Mild Mild Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Carcinoma; Mammary Gland Fibroadenoma; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104947

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, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Adenoma	
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Marked
		Hyperplasia	Cystic, Mild

[Dilatation TGLS = 3-7]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 734

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104947

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Ileum		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-6]			
[Mixed Cell Focus TGLS = 6-23]			
* Lung		Hemorrhage	Mild
		Inflammation	Chronic, Mild
[Hemorrhage TGLS = 8-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104948

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21,9-24]

[Hyperplasia TGLS = 1-8]

Mesentery Fat Necrosis Moderate

[Necrosis TGLS = 3-22]

* Pituitary Gland Pars Distalis Cyst Moderate

Pars Intermed Cyst Moderate

* Spleen Leukemia Mononuclear Necrosis Moderate

[Leukemia Mononuclear TGLS = 4-25]

* Stomach, Forestomach Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-4]

* Thymus Leukemia Mononuclear

* Thyroid Gland C Cell Hyperplasia Minimal

* Uterus Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Adenoma	
		Carcinoma	
	[Carcinoma TGLS = 2-8,3-21]		
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Necrosis	Minimal
	[Basophilic Focus TGLS = 6-6]		
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 4-22,7-23]		
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104949

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Salivary Glands	* Skin
Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 2-44]			
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104950

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 4

DOSE: 14.3 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 671

HISTO: 104951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 7-1]			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Marked
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Salivary Glands		Atrophy	Moderate
* Spleen		Pigmentation	Marked
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Moderate
[Ulcer TGLS = 9-23]			
* Stomach, Glandular		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 671

DOSE: 14.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104951

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 9-23]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 14.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Small, Jejunum

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 7-1]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 2-22,3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Stomach, Glandular		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6,6-23]			
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Marked
[Adenoma TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104953

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-21]

[Hyperplasia TGLS = 2-8]

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia Adenoma	Fatty, Minimal Focal, Minimal
* Clitoral Gland [Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Transit Epithe	Hyperplasia Inflammation Nephropathy	Moderate Chronic, Mild Moderate
Note: NEPHROPATHY IS UNILATERAL (ATYPICAL NEPHROPATHY).			
* Liver		Basophilic Focus Inflammation Necrosis	Chronic, Minimal Minimal
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Moderate Histiocyte, Minimal
[Hyperplasia TGLS = 6-22]			
* Lymph Node, Mesenteric		Hemorrhage Infiltration Cellular	Minimal Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 352	TRT#: 6	SEX: Female	DAY ON TEST: 736
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104954

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-22]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104955

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-7]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
[Leukemia Mononuclear TGLS = 3-21]			
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 12-1]			
* Spleen		Accessory Spleen	
		Leukemia Mononuclear	
[Accessory Spleen TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 6-6]			
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone [Osteopetrosis TGLS = 8-23]	Cranium	Osteopetrosis	Moderate
* Bone Marrow		Hyperplasia	Mild
* Liver [Basophilic Focus TGLS = 4-6] [Mixed Cell Focus TGLS = 4-6]		Basophilic Focus Inflammation Mixed Cell Focus	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Hyperplasia	Lymphoid, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-21,9-24] [Hyperplasia TGLS = 2-8]		Infiltration Cellular Fibroadenoma Hyperplasia	Histiocyte, Moderate Multiple Moderate
Mesentery [Necrosis TGLS = 5-22]	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 354

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104956

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 7-1]

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Edema	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Marked
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
		Regeneration	
		[Fatty Change TGLS = 6-6]	
		[Leukemia Mononuclear TGLS = 6-6]	
		[Regeneration TGLS = 6-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Deep Cervical	Hemorrhage	Moderate
	Mediastinal	Hemorrhage	Moderate
		[Hemorrhage TGLS = 5-3]	
		[Hemorrhage TGLS = 11-22]	
* Lymph Node, Mesenteric		Hemorrhage	Moderate
		[Hemorrhage TGLS = 9-5]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 6

SEX: Female

DAY ON TEST: 667

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104957

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Pancreatic		Hemorrhage	Mild
[Hemorrhage TGLS = 4-7]		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 12-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Necrosis	Marked
[Hematopoietic Cell Proliferation TGLS = 2-6]			
[Leukemia Mononuclear TGLS = 2-6]			
[Necrosis TGLS = 3-21]			
* Stomach, Forestomach	Epithelium	Edema	Moderate
		Hyperplasia	Moderate
		Ulcer	Marked
[Hyperplasia TGLS = 13-4,13-23]			
[Ulcer TGLS = 13-23]			
* Stomach, Glandular		Edema	Moderate
		Erosion	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 602

HISTO: 104958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Colon
* Intestine Large, Rectum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Mild
[Thrombosis TGLS = 4-12]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Nephropathy TGLS = 6-5]			
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6,2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-21]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 356	TRT#: 6	SEX: Female	DAY ON TEST: 602
	DOSE: 57.3 MG/L	DISP: Natural Death	HISTO: 104958

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Leukemia Mononuclear TGLS = 7-1]		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach [Erosion TGLS = 8-4]		Erosion	Mild
* Stomach, Glandular [Ulcer TGLS = 8-4]		Ulcer	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
	Hyperplasia	Focal, Mild
* Heart	Cardiomyopathy	Mild
* Intestine Small, Ileum	Leukemia Mononuclear	
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hemorrhage	Minimal
	Hepatodiaphragmatic Nodule	
	Leukemia Mononuclear	
	Mixed Cell Focus	
	Necrosis	Minimal
	Infiltration Cellular	Histiocyte, Minimal
	Infiltration Cellular	Histiocyte, Mild
	Fibroadenoma	
	Hyperplasia	Minimal

Note: MIXED CELL FOCI ARE ON SLIDES 6 AND 22.

[Basophilic Focus TGLS = 3-6]

[Hepatodiaphragmatic Nodule TGLS = 5-22]

[Leukemia Mononuclear TGLS = 3-6]

[Mixed Cell Focus TGLS = 3-6]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104959

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21]

[Hyperplasia TGLS = 2-8]

* Spleen

Hematopoietic Cell Proliferation

Mild

Tongue

Leukemia Mononuclear

Inflammation

Chronic, Minimal

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104960

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, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-22,3-23]			
[Hyperplasia TGLS = 4-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 726

HISTO: 104961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain	Compression	Marked
[Compression TGLS = 9-1]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Mild
[Basophilic Focus TGLS = 6-6]		
[Eosinophilic Focus TGLS = 6-6]		
[Hepatodiaphragmatic Nodule TGLS = 7-23]		
* Lung	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Mild
[Hemorrhage TGLS = 8-2]		
[Infiltration Cellular TGLS = 8-2]		
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22]		
[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 359	TRT#: 6	SEX: Female	DAY ON TEST: 726
	DOSE: 57.3 MG/L	DISP: Natural Death	HISTO: 104961

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 5-7]		Cyst	Moderate
* Pancreas		Atrophy	Moderate
* Pituitary Gland [Adenoma TGLS = 10-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
	Hyperplasia	Focal, Minimal
* Brain	Compression	Moderate
[Compression TGLS = 4-1]		
* Clitoral Gland	Carcinoma	
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Infiltration Cellular	Histiocyte, Mild
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]		
[Eosinophilic Focus TGLS = 6-6]		
[Leukemia Mononuclear TGLS = 6-6]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 1-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104962

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 5-1]

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Moderate

[Leukemia Mononuclear TGLS = 3-6]

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Heart	Cardiomyopathy	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 3-6]		
[Clear Cell Focus TGLS = 3-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,4-22]		
* Pancreas	Atrophy	Minimal
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Salivary Glands
Skeletal Muscle	* Skin	Spinal Cord	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Brain		Compression	Marked
[Compression TGLS = 1-1]			
* Eye		Cataract	Moderate
[Cataract TGLS = 3-44]	Retina	Degeneration	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 5-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-4]		Ulcer	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 534

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104964

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 6-4]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 104965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22]			
* Pancreas		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104965

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

Tongue

Epithelium

Hyperplasia

Minimal

[Hyperplasia TGLS = 7-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Lung	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Clitoral Gland		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104966

ORGAN AND ACCOUNTABLE SITE STATUS

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Moderate

[Angiectasis TGLS = 7-1]

[Hyperplasia TGLS = 7-1]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 1-21]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 8-1]			
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 3-8]			
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6,9-23]		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 2-21, 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 687

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104967

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 671

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104968

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, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Lymph Node, Pancreatic

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
		Necrosis	Moderate
		Thrombosis	Moderate
Note: BACTERIAL COLONIES ARE PRESENT ON ATRIOVENTRICULAR VALVES.			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	Centrilobular	Necrosis	Moderate
	[Necrosis TGLS = 7-6]		
* Lung		Edema	Moderate
		Hemorrhage	Moderate
		Infiltration Cellular	Histiocyte, Moderate
	[Edema TGLS = 6-2]		
	[Hemorrhage TGLS = 6-2]		
	[Infiltration Cellular TGLS = 6-2]		
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 366	TRT#: 6	SEX: Female	DAY ON TEST: 671
	DOSE: 57.3 MG/L	DISP: Natural Death	HISTO: 104968

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma Hyperplasia	Multiple Mild
[Fibroadenoma TGLS = 2-21,8-23] [Hyperplasia TGLS = 3-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-22]			
* Pancreas		Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Mammary Gland Fibroadenoma
CONTRIBUTORY CAUSE OF DEATH	- Heart Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Bone Marrow		Infiltration Cellular	Histiocyte, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Moderate
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
[Hemorrhage TGLS = 4-7]			
[Infiltration Cellular TGLS = 4-7]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Mixed Cell, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104969

ORGAN AND ACCOUNTABLE SITE STATUS

Note: SPLENIC MIXED CELL INFILTRATION IS FOCAL LYMPHOHISTIOCYTIC ACCUMULATIONS TYPICAL OF "POTTER LESION".

[Infiltration Cellular TGLS = 3-6]

* Stomach, Glandular

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Adenoma

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Compression	Moderate
[Compression TGLS = 14-1]			
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 5-24]			
* Eye		Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 9-6]		Necrosis	Minimal
[Leukemia Mononuclear TGLS = 9-6,10-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 12-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104970

ORGAN AND ACCOUNTABLE SITE STATUS

		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 8-7]			
[Leukemia Mononuclear TGLS = 8-7]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 13-1]			
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Mild
		Polyp Stromal	
[Hyperplasia TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Marked
[Compression TGLS = 5-1]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Carcinoma	
		Hyperplasia	Marked
[Carcinoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104971

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Skin

Hyperkeratosis

Moderate

[Hyperkeratosis TGLS = 6-22]

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21,6-22]		
	[Hyperplasia TGLS = 1-8]		
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	[Angiectasis TGLS = 7-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104972

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 104973

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 8-6]			
[Mixed Cell Focus TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21,3-22,4-23]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-24]			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104974

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 104975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Tongue
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Bone Marrow		Infiltration Cellular	Histiocyte, Moderate
* Clitoral Gland		Adenoma	
		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22,4-23]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	Moderate
[Adenoma TGLS = 7-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104975

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

Infiltration Cellular

Mixed Cell, Marked

[Infiltration Cellular TGLS = 5-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 6

SEX: Female

DAY ON TEST: 454

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104976

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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Schwannoma Malignant	

[Schwannoma Malignant TGLS = 3-21,3-21-1]

PRIMARY CAUSE OF DEATH

- Uterus Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lung	Alveolar Epith	Foreign Body	
		Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
Note: CHRONIC INFLAMMATION IS PRESENT ON SLIDES 2 AND 22.			
[Hyperplasia TGLS = 5-22]			
[Inflammation TGLS = 5-22]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Skin	Subcut Tiss	Fibroma	
Note: THE SKIN FIBROMA ON SLIDE 21 INCLUDES MODERATE AMOUNT OF ADIPOSE TISSUE.			
[Fibroma TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104977

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Moderate
* Uterus		Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 573

HISTO: 104978

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
[Cardiomyopathy TGLS = 10-24]			
* Liver		Angiectasis	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
[Leukemia Mononuclear TGLS = 9-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
[Hemorrhage TGLS = 7-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 573

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104978

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-22]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 5-23]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 11-1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Glandular		Erosion	Mild
		Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Spleen	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
Lymph Node, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
[Basophilic Focus TGLS = 2-6]		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-2]			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 377	TRT#: 6	SEX: Female	DAY ON TEST: 715
	DOSE: 57.3 MG/L	DISP: Natural Death	HISTO: 104979

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 104980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Clitoral Gland	Adenoma	
[Adenoma TGLS = 1-8]		
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 8-6]		
[Clear Cell Focus TGLS = 8-6]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21,4-22,5-23,6-24,7-25]		
[Hyperplasia TGLS = 2-8]		
* Spleen	Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 7-23]			
* Mammary Gland		Adenoma	
		Fibroadenoma	
		Hyperplasia	Minimal
[Adenoma TGLS = 2-22]			
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 3-8]			
* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104981

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 554

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Minimal
* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 5-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Hemorrhage	Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 380	TRT#: 6 DOSE: 57.3 MG/L	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 554 HISTO: 104982
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ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 6-1]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Leukemia Mononuclear

Animal Note: THE MONONUCLEAR CELL LEUKEMIA APPEARS TO BE IN A RELATIVELY EARLY STAGE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104983

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, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Bone Marrow	* Lymph Node, Mandibular	Lymph Node, Pancreatic	
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OBSERVATIONS

* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 3-6]		
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
	Note: FOCUS OF SUBPLEURAL ALVEOLAR EPITHELIAL HYPERPLASIA AND INFLAMMATION INCLUDING CHOLESTEROL CLEFT FORMATION.		
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-1]		
* Spleen		Hematopoietic Cell Proliferation	Minimal
		Pigmentation	Mild
* Stomach, Glandular	Glands	Dilatation	Mild
		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104983

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Adrenal Medulla

OBSERVATIONS

* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
[Eosinophilic Focus TGLS = 6-24]			
[Hepatodiaphragmatic Nodule TGLS = 4-23]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 5-25]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-22,3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104984

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 586

HISTO: 104985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Intestine Small, Ileum	* Lymph Node, Mandibular	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hydrocephalus	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-1]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
Note: THE ISLET CELL ADENOMA IS PRESENT ON SLIDE 5.			
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
[Leukemia Mononuclear TGLS = 5-7]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 586

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104985

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node, Pancreatic

Infiltration Cellular

Histiocyte, Mild

* Mammary Gland

Adenoma

Hyperplasia

Moderate

Note: THE MAMMARY GLAND ADENOMA CONTAINS LEUKEMIA INFILTRATE.

[Adenoma TGLS = 2-21]

[Hyperplasia TGLS = 1-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-23,4-22]

* Uterus

Hyperplasia

Cystic, Mild

Polyp Stromal

[Polyp Stromal TGLS = 10-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
		Necrosis	Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-2]			
* Lymph Node, Mesenteric		Hyperplasia	Reticulum Cell, Moderate
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,3-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104986

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Pigmentation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Moderate

Ultimobranchial Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 659

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mesenteric
Lymph Node, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
[Mixed Cell Focus TGLS = 3-6]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 659

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104987

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

[Polyp Stromal TGLS = 7-7]

Pigmentation

Moderate

Polyp Stromal

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 104988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Clear Cell Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-22]			
[Hyperplasia TGLS = 5-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104988

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 7-1]			
[Hyperplasia TGLS = 7-1]			
* Skin		Ulcer	Mild
[Ulcer TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
[Compression TGLS = 10-1]			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Moderate
		Nephropathy	Moderate
[Infarct TGLS = 7-5]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 9-27]			
[Leukemia Mononuclear TGLS = 12-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104989

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,3-22,4-23,5-24,6-25]		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 8-26]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration	Moderate Fatty, Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Moderate Histiocyte, Minimal
[Hyperplasia TGLS = 8-23]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			
* Mammary Gland		Fibroadenoma Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
* Nose	Respirat Epith	Hyperplasia	Minimal
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104990

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Mild

Leukemia Mononuclear

* Salivary Glands

Atrophy

Mild

* Spleen

Hemorrhage

Marked

Leukemia Mononuclear

[Hemorrhage TGLS = 4-22]

[Leukemia Mononuclear TGLS = 3-22]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 6

DOSE: 57.3 MG/L

SEX: Female

DISP: Natural Death

DAY ON TEST: 571

HISTO: 104991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* 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	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-24]			
* Intestine Large, Cecum		Hemorrhage	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Fibroadenoma	
Note: THE FIBROADENOMA IS COMPOSED MAINLY OF FIBROUS TISSUE.			
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-22,5-23]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 6

SEX: Female

DAY ON TEST: 571

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104991

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Adrenal Medulla Pheochromocytoma Malignant

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Moderate
* Clitoral Gland	Carcinoma	
	Inflammation	Chronic, Marked
[Carcinoma TGLS = 1-22]		
* Heart	Cardiomyopathy	Moderate
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Mammary Gland	Fibroadenoma	
[Fibroadenoma TGLS = 2-21]		
* Spleen	Hematopoietic Cell Proliferation	Mild
	Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 734

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104992

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-8]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]		Infiltration Cellular	Histiocyte, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-8]		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104993

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-22]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 662

DOSE: 57.3 MG/L

DISP: Natural Death

HISTO: 104994

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			
* Stomach, Forestomach	Epithelium	Hyperplasia	Marked
[Hyperplasia TGLS = 10-4]			
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 8-3]			
* Uterus		Leiomyosarcoma	
[Leiomyosarcoma TGLS = 9-23,9-23-1]			

PRIMARY CAUSE OF DEATH

- Uterus Leiomyosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Thyroid Gland Follicular Cel Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
Lymph Node, Pancreatic	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Minimal
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-8,2-21]			
* Nose		Foreign Body	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 5-6]			
[Eosinophilic Focus TGLS = 11-25]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
[Hemorrhage TGLS = 4-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 394	TRT#: 6	SEX: Female	DAY ON TEST: 689
	DOSE: 57.3 MG/L	DISP: Moribund Sacrifice	HISTO: 104996

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 1-21,7-22]		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Skin	Sebaceous Gl	Adenoma	
[Adenoma TGLS = 10-23]			
* Spleen		Hematopoietic Cell Proliferation Infiltration Cellular	Marked Mixed Cell, Marked
[Hematopoietic Cell Proliferation TGLS = 3-6,3-24]			
[Infiltration Cellular TGLS = 2-24,3-6,3-24]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	- Pituitary Gland Pars Distalis Adenoma
CONTRIBUTORY CAUSE OF DEATH	- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-23]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 689

DOSE: 57.3 MG/L

DISP: Moribund Sacrifice

HISTO: 104997

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]			
[Mixed Cell Focus TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 2-8]			
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 8-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 396	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104998

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Fibroma TGLS = 1-21]	Subcut Tiss	Fibroma	
* Spleen [Hyperplasia TGLS = 6-6]	Lymph Follic	Hematopoietic Cell Proliferation Hyperplasia	Mild Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 4-7,5-7]		Polyp Stromal	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 104999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	Mesentery	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 9-1]			
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 10-6]		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 7-23]		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
Note: MAMMARY GLAND HYPERPLASIA IS PRESENT ON SLIDE 8.			
[Hyperplasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 397	TRT#: 6	SEX: Female	DAY ON TEST: 735
	DOSE: 57.3 MG/L	DISP: Terminal Sacrifice	HISTO: 104999

ORGAN AND ACCOUNTABLE SITE STATUS

* Ovary [Cyst TGLS = 5-7]		Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis Pars Distalis	Adenoma Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Skin [Liposarcoma TGLS = 1-21]	Subcut Tiss	Liposarcoma	
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Uterus [Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 105000

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 8-1]			
* Eye		Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 7-44]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-8,3-22,4-23]			
[Hyperplasia TGLS = 5-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-1]			
* Spleen		Pigmentation	Moderate
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 105000

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 105001

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, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Focal, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 4-6]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 105002

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic, Mild
[Cyst TGLS = 1-8]			
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 6-44]			
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Fibrosis	Moderate
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 57.3 MG/L

DISP: Terminal Sacrifice

HISTO: 105002

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal
* Urinary Bladder		Hemorrhage	Marked
[Hemorrhage TGLS = 4-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105003

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, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 3-6]			
[Clear Cell Focus TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 4-1,5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105003

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Mixed Cell Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-21]			
* Pancreas		Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105004

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-1]

[Cyst TGLS = 3-1]

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105005

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Mild
	Hyperplasia	Focal, Minimal
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Fatty Change	Mild
	Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]		
[Clear Cell Focus TGLS = 4-6]		
[Mixed Cell Focus TGLS = 3-22,4-6]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 5-23]		
[Infiltration Cellular TGLS = 7-24]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Fibroadenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 403	TRT#: 8	SEX: Female	DAY ON TEST: 735
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105005

ORGAN AND ACCOUNTABLE SITE STATUS

		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Adenoma TGLS = 6-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 105006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus	Vagina	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Brain		Compression	Marked
[Compression TGLS = 6-1]			
* Clitoral Gland		Cyst	Moderate
[Cyst TGLS = 1-8]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
	Hepatocyte	Syncytial Alteration	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 404

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105006

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Edema	Marked
	Epithelium	Hyperplasia	Mild
		Ulcer	Marked

[Edema TGLS = 8-21]

[Hyperplasia TGLS = 8-21]

[Ulcer TGLS = 8-21]

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Harderian Gland	Adenoma	
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Mild
	Inflammation	Chronic, Minimal
	Mixed Cell Focus	

Note: CLEAR CELL FOCUS IS ON SLIDE 23.

[Basophilic Focus TGLS = 6-6]

[Hepatodiaphragmatic Nodule TGLS = 7-23]

[Mixed Cell Focus TGLS = 6-6]

* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Minimal

[Fibroadenoma TGLS = 1-21,3-22]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 405	TRT#: 8	SEX: Female	DAY ON TEST: 735
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105007

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105008

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-21]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
[Angiectasis TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105008

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105009

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Kidney	* Nose	Oral Mucosa	* Pancreas
Peripheral Nerve	* Salivary Glands	* Skin	Spinal Cord
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

INSUFFICIENT TISSUE

Tongue

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hyperplasia	Focal, Moderate
* Clitoral Gland		Cyst	Moderate
		Inflammation	Chronic, Mild
* Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[Cataract TGLS = 3-44]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 2-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105009

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 6-23]

Hyperplasia

[Hyperplasia TGLS = 1-8]

Moderate

* Ovary

Cyst

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Mild

* Stomach, Glandular

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 105010

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Tongue
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]			
[Mixed Cell Focus TGLS = 7-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-8,2-21]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Cyst TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Stomach, Glandular		Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105010

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Hyperplasia

Cystic, Moderate

Polyp Stromal

Multiple

Note: THE STROMAL POLYP ON SLIDE 22 IS MARKEDLY NECROTIC.

[Polyp Stromal TGLS = 3-7,4-22]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105011

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	Tongue	* Trachea	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Mild
* Clitoral Gland		Inflammation	Moderate
[Inflammation TGLS = 3-8]			
* Eye	Retina	Degeneration	Minimal
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
[Basophilic Focus TGLS = 7-6]			
[Fatty Change TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
[Necrosis TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105011

ORGAN AND ACCOUNTABLE SITE STATUS

Note: THE LEUKEMIA INFILTRATION INCLUDES A SUBPLEURAL FOCUS OF NECROSIS.

[Leukemia Mononuclear TGLS = 8-2]

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 6-5]

* Mammary Gland

[Hyperplasia TGLS = 2-8,4-21]

* Pancreas

* Pituitary Gland

Pars Distalis

* Salivary Glands

* Spleen

[Leukemia Mononuclear TGLS = 5-6]

* Thymus

* Urinary Bladder

Leukemia Mononuclear

Leukemia Mononuclear

Hyperplasia

Marked

Cyst

Moderate

Leukemia Mononuclear

Cyst

Moderate

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH

- Clitoral Gland Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 105012

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 5-3]			
[Pigmentation TGLS = 5-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105012

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]

* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 105013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Islets, Pancreatic		Adenoma	Multiple
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 5-22]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 105013

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 6-1]

Pars Distalis

Adenoma

* Spleen

Hematopoietic Cell Proliferation

Mild

Tongue

Leukemia Mononuclear

Inflammation

Chronic, Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 7-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Parathyroid Gland
* Pituitary Gland	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 8-6]	
		[Clear Cell Focus TGLS = 8-6]	
		[Mixed Cell Focus TGLS = 8-6]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		[Infiltration Cellular TGLS = 11-26]	
Lymph Node	Mediastinal	Pigmentation	Mild
		[Pigmentation TGLS = 9-3]	
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105014

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21,3-22,4-23]

[Hyperplasia TGLS = 1-8]

* Ovary

Cyst

Moderate

[Cyst TGLS = 7-7]

* Pancreas

Atrophy

Mild

* Salivary Glands

Atrophy

Mild

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

* Uterus

Hyperplasia

Cystic, Minimal

Polyp Stromal

[Hyperplasia TGLS = 5-7]

[Polyp Stromal TGLS = 6-24]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Mild
[Compression TGLS = 7-1]			
* Clitoral Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-8]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Inflammation	Chronic, Mild
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Carcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Carcinoma TGLS = 2-21]			
[Fibroadenoma TGLS = 4-22,5-24]			
[Hyperplasia TGLS = 3-8]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 6-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 413	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105015

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Atrophy	Minimal
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 8

SEX: Female

DAY ON TEST: 493

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105016

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus Inflammation Leukemia Mononuclear Mixed Cell Focus	Chronic, Moderate
	[Basophilic Focus TGLS = 2-6]		
	[Mixed Cell Focus TGLS = 2-6]		
* Lung		Infiltration Cellular Leukemia Mononuclear Leukemia Mononuclear	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Marked
Lymph Node, Pancreatic		Hyperplasia	Mild
* Mammary Gland		Angiectasis	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	Pars Distalis		
	[Angiectasis TGLS = 5-1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 8

SEX: Female

DAY ON TEST: 493

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105016

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-1]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-6]

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105017

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Mild
[Compression TGLS = 8-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 9-26]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22,3-23,4-24]			
[Hyperplasia TGLS = 5-8,6-25]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105017

ORGAN AND ACCOUNTABLE SITE STATUS

Pigmentation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 416

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105018

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 416

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105018

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105019

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
--------------------------	------------------------

OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 6-23]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 417

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105019

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose	Foreign Body
* Spleen	Inflammation
* Uterus	Hematopoietic Cell Proliferation
	Hyperplasia
	Polyp Stromal

Chronic, Minimal
Mild
Cystic, Minimal

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 379

HISTO: 105020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Mammary Gland	* Nose
Oral Mucosa	* Pancreas	* Pituitary Gland	* Salivary Glands
Skeletal Muscle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 8-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-7]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 9-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 8

SEX: Female

DAY ON TEST: 379

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105020

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-3]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 105021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Mild
	Hyperplasia	Focal, Minimal
* Bone Marrow	Hyperplasia	Moderate
* Brain	Carcinoma	Metastatic (Pituitary Gland)
	Compression	Marked
[Carcinoma TGLS = 11-25,12-1]		
[Compression TGLS = 12-1]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Moderate
	Inflammation	Chronic, Mild
	Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 6-24]		
[Mixed Cell Focus TGLS = 13-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8]		
* Ovary	Angiectasis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105021

ORGAN AND ACCOUNTABLE SITE STATUS

		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 7-7]			
* Pituitary Gland	Pars Distalis	Carcinoma	
	Pars Distalis	Cyst	Moderate
[Carcinoma TGLS = 10-1]			
* Skin	Subcut Tiss	Fibroma	Multiple
[Fibroma TGLS = 1-21,2-22,5-23]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal
* Uterus		Hyperplasia	Cystic, Mild
		Inflammation	Chronic, Mild
[Hyperplasia TGLS = 8-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Nose
Oral Mucosa	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver	Lymphatic	Basophilic Focus	
		Infiltration Cellular	Mild
		Infiltration Cellular	Histiocyte, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Ovary		Cyst	Moderate
[Cyst TGLS = 1-7]			
* Pancreas		Atrophy	Moderate
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105022

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Inflammation

Chronic, Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 105023

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 2-6]		
[Clear Cell Focus TGLS = 2-6]		
[Inflammation TGLS = 2-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]		
* Salivary Glands	Atrophy	Minimal
* Spleen	Hematopoietic Cell Proliferation	Minimal
	Pigmentation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105023

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-21,2-22]		Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 422

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105024

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Hyperplasia

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Inflammation

Chronic, Minimal

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 8

SEX: Female

DAY ON TEST: 531

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105025

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

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

* Adrenal Cortex		Leukemia Mononuclear Necrosis	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular Leukemia Mononuclear	Mild Histiocyte, Minimal
[Hyperplasia TGLS = 6-25]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 8

SEX: Female

DAY ON TEST: 531

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105025

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

Necrosis

Moderate

Note: ADHESIONS BETWEEN SPLEEN AND MESENTERY ON SLIDE 22.

[Leukemia Mononuclear TGLS = 1-24,3-22]

[Necrosis TGLS = 2-21]

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 8

SEX: Female

DAY ON TEST: 580

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105026

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Moderate
[Compression TGLS = 5-1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 3-8]			
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			
* Salivary Glands		Atrophy	Moderate
* Stomach, Forestomach		Edema	Moderate
		Erosion	Minimal
	Epithelium	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 8

SEX: Female

DAY ON TEST: 580

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105026

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 105027

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Leukemia Mononuclear	
* Brain	Compression	Marked
[Compression TGLS = 8-1]		
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Fatty Change	Moderate
	Infiltration Cellular	Histiocyte, Mild
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
	Leukemia Mononuclear	
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105027

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
[Hematopoietic Cell Proliferation TGLS = 4-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 105028

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 6-6,8-23]		
	[Mixed Cell Focus TGLS = 6-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-21]		
	[Hyperplasia TGLS = 1-8]		
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 4-22]		
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105028

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 7-1]

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Inflammation

Chronic, Minimal

* Uterus

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Moderate
* Clitoral Gland	Adenoma	
	Cyst	Moderate
	Inflammation	Chronic, Marked
[Adenoma TGLS = 3-8]		
[Cyst TGLS = 2-8]		
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Eosinophilic Focus	
	Infiltration Cellular	Histiocyte, Mild
	Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 8-6]		
[Clear Cell Focus TGLS = 8-6]		
[Eosinophilic Focus TGLS = 8-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Fibroadenoma	Multiple

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105029

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 4-21,5-22,6-23]		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 7-24]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105030

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Rectum
* Islets, Pancreatic	* 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	Lymph Node, Pancreatic
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AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Brain		Compression	Moderate
[Compression TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hemorrhage	Mild
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 2-6]			
[Hemorrhage TGLS = 2-6]			
[Infiltration Cellular TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 3-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 653

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105030

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 6-21]

Hyperplasia

[Hyperplasia TGLS = 1-8,7-22]

Marked

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 5-1]

PRIMARY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 667

HISTO: 105031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-1]			
* Heart		Cardiomyopathy	Minimal
[Cardiomyopathy TGLS = 8-12]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphatic	Hyperplasia	Moderate
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Fatty Change TGLS = 7-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105031

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 9-1]	Pars Distalis	Adenoma Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
* Stomach, Forestomach		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus [Leukemia Mononuclear TGLS = 4-7]		Hyperplasia Leukemia Mononuclear Polyp Stromal	Cystic, Mild

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Skin	* Stomach, Forestomach	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Marked
* Adrenal Medulla	Pheochromocytoma Benign	
* Brain	Compression	Moderate
[Compression TGLS = 8-1]		
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Infiltration Cellular	Histiocyte, Mild
	Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 6-6]		
[Clear Cell Focus TGLS = 6-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 5-25]		
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21,2-22,3-23]		
Mesentery	Fat	Necrosis
		Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 430	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105032

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-24]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urin Bladder			

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 3-1]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105033

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-1]

* Spleen

Hematopoietic Cell Proliferation

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-24]			
* Heart		Cardiomyopathy	Minimal
[Thrombosis TGLS = 8-12]		Thrombosis	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney	Renal Tubule	Accumulation, Hyaline Droplet	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Hematopoietic Cell Proliferation	Mild
		Infiltration Cellular	Histiocyte, Moderate
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Mild
		Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild
		Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 8

SEX: Female

DAY ON TEST: 618

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105034

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemorrhage TGLS = 7-3]			
[Hemorrhage TGLS = 10-22]			
[Hyperplasia TGLS = 10-22]			
[Hyperplasia TGLS = 7-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 6-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 3-7]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 13-23]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 9-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 11-1,12-1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-6]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	- Clitoral Gland	Carcinoma	
CONTRIBUTORY CAUSE OF DEATH	- Pituitary Gland	Pars Distalis Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Kidney		Cyst	Moderate
		Infarct	Marked
		Nephropathy	Mild
[Cyst TGLS = 5-5]			
[Infarct TGLS = 4-5,6-5]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 8-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105035

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland
[Adenoma TGLS = 9-1]

Pars Distalis

Adenoma

* Salivary Glands

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 734

HISTO: 105036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Skin	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 7-24]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 5-22]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 6-23]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105036

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105037

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, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6]			
[Mixed Cell Focus TGLS = 3-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 5-22]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
* Mammary Gland		Hyperplasia	Minimal
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 1-21]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Minimal
		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 8

SEX: Female

DAY ON TEST: 734

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105037

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-7]

[Polyp Stromal TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105038

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 5-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105038

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands

Atrophy

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

* Uterus

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105039

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 4-23]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21,2-22]			
[Hyperplasia TGLS = 3-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:35
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 437	TRT#: 8	SEX: Female	DAY ON TEST: 736
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105039

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
	[Angiectasis TGLS = 6-1]		
	[Cyst TGLS = 6-1]		
	[Hyperplasia TGLS = 6-1]		
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
	[Carcinoma TGLS = 5-3]		
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 105040

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, Ileum
* Intestine Small, Jejunum	* Nose	Oral Mucosa	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Cyst	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-7]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 6-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105040

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:35

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 8

SEX: Female

DAY ON TEST: 447

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105041

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 2-21]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hematopoietic Cell Proliferation	Minimal
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Mild
	Centrilobular	Necrosis	Minimal
[Hepatodiaphragmatic Nodule TGLS = 4-22]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

- Clitoral Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Eosinophilic Focus TGLS = 5-6]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 3-22]			
[Hyperplasia TGLS = 1-21,2-8]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-23]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105042

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-22]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 3-21]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105043

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Uterus

Polyp Stromal

Multiple

[Polyp Stromal TGLS = 5-7,6-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 567

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105044

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Heart	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	Lacrimal Gland	Larynx	* Lung
* Lymph Node, Mesenteric	* Nose	Oral Mucosa	* Ovary
Oviduct	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Hyperplasia	Mild
		Inflammation	Chronic, Mild
* Harderian Gland		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
[Hemorrhage TGLS = 6-3]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland		Hyperplasia	Mild
Mesentery		Sarcoma	
[Sarcoma TGLS = 5-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 567

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105044

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Hematopoietic Cell Proliferation TGLS = 1-6]	Hematopoietic Cell Proliferation	Marked
* Uterus [Polyp Stromal TGLS = 3-7]	Polyp Stromal	

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 646

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105045

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	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Thyroid Gland	Tooth	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	* Thymus
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OBSERVATIONS

* Adren Cortex			
Note: ONE ADRENAL GLAND IS PRESENT ON SLIDE 4.			
* Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney	Renal Tubule	Dilatation	Moderate
		Hydronephrosis	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Moderate
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
Note: MAMMARY GLAND HYPERPLASIA IS PRESENT ON SLIDES 8 AND 23 (WITH SECTION OF VAGINA).			
[Fibroadenoma TGLS = 2-21]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 4-22]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 646

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105045

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
* Stomach, Glandular		Edema	Mild
		Erosion	Moderate
Tongue		Squamous Cell Carcinoma	
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105046

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Intestine Small, Jejunum	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 6-10]	Pheochromocytoma Malignant	
* Clitoral Gland [Adenoma TGLS = 3-8]	Adenoma	
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 7-6] [Clear Cell Focus TGLS = 7-6] [Hepatodiaphragmatic Nodule TGLS = 8-23]	Basophilic Focus Clear Cell Focus Hepatodiaphragmatic Nodule Inflammation	Chronic, Minimal
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Hemorrhage	Minimal
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-21]	Infiltration Cellular Fibroadenoma Hyperplasia	Histiocyte, Moderate Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 444	TRT#: 8	SEX: Female	DAY ON TEST: 737
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105046

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8] Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-22] Oral Mucosa		Squamous Cell Carcinoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 9-1] * Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Eye	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
* Lung		Hemorrhage	Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Marked
[Fibroadenoma TGLS = 1-21,2-22]			
* Pancreas		Atrophy	Minimal
		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105047

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

Note: UTERINE STROMAL POLYP IS MARKEDLY NECROTIC.

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 446

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 105048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland	Carcinoma	
[Carcinoma TGLS = 2-24]		
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Infiltration Cellular	Histiocyte, Minimal
	Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 5-6]		
[Clear Cell Focus TGLS = 5-6]		
* Lung	Alveolar/Bronchiolar Adenoma	
	Infiltration Cellular	Histiocyte, Minimal
[Alveolar/Bronchiolar Adenoma TGLS = 6-23]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 446	TRT#: 8	SEX: Female	DAY ON TEST: 735
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105048

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 3-8] Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-22] * Pituitary Gland	Pars Distalis Pars Distalis	Cyst Cytoplasmic Alteration	Moderate Focal, Minimal
[Cyst TGLS = 7-1] * Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 559

DOSE: 172 MG/L

DISP: Natural Death

HISTO: 105049

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
* Islets, Pancreatic	* Kidney	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hematopoietic Cell Proliferation	Minimal
		Infiltration Cellular	Histiocyte, Mild
		Mixed Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-22]			
* Salivary Glands		Atrophy	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-21]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 8

SEX: Female

DAY ON TEST: 590

DOSE: 172 MG/L

DISP: Moribund Sacrifice

HISTO: 105050

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Brain	Compression	Marked
	Hydrocephalus	Moderate
[Compression TGLS = 4-1]		
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Fatty Change	Mild
	Infiltration Cellular	Histiocyte, Moderate
	Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 3-6]		
[Fatty Change TGLS = 3-6]		
[Inflammation TGLS = 3-6]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Hyperplasia	Moderate
Mesentery	Necrosis	Moderate
[Necrosis TGLS = 1-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 448	TRT#: 8	SEX: Female	DAY ON TEST: 590
	DOSE: 172 MG/L	DISP: Moribund Sacrifice	HISTO: 105050

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 5-1]	Pars Distalis	Adenoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach	Epithelium	Hyperplasia	Moderate
		Ulcer	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105051

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Esophagus	* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-8]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Mixed Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 4-22]			
[Hyperplasia TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
[Cyst TGLS = 6-1]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-21]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 172 MG/L

DISP: Terminal Sacrifice

HISTO: 105051

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 8

DOSE: 172 MG/L

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 105052

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Glomerulosclerosis	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Minimal
		Mixed Cell Focus	
	[Hepatodiaphragmatic Nodule TGLS = 5-23]		
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
	[Fibroadenoma TGLS = 2-22,3-21]		
	[Hyperplasia TGLS = 1-8]		
* Nose	Respirat Epith	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 450	TRT#: 8	SEX: Female	DAY ON TEST: 735
	DOSE: 172 MG/L	DISP: Terminal Sacrifice	HISTO: 105052

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Inflammation	Chronic, Mild
	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]		Angiectasis	Moderate
* Salivary Glands		Atrophy	Minimal
* Skin	Subcut Tiss	Lipoma	
Note: LIPOMA ON SLIDE 24 CONTAINS EXTENSIVE FIBROUS TISSUE.			
[Lipoma TGLS = 7-24]			
* Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea		

MISSING

* Lymph Node, Mandibular	* Urinary Bladder
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OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
	Hyperplasia	Focal, Minimal
* Bone Marrow	Hyperplasia	Mild
* Clitoral Gland	Adenoma	
Note: THE CLITORAL GLAND "ADENOMA" HAS FEATURES OF A PAPILLOMA; MORPHOLOGY UNAVAILABLE ON TDMS.		
[Adenoma TGLS = 1-23]		
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Fatty Change	Mild
	Infiltration Cellular	Histiocyte, Moderate
	Inflammation	Chronic, Mild
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]		
[Hyperplasia TGLS = 7-8]		
* Ovary	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 451	TRT#: 10	SEX: Female	DAY ON TEST: 736
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105053

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 3-7]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Accessory Spleen	
		Hematopoietic Cell Proliferation	Moderate
	Lymph Follic	Hyperplasia	Moderate
[Accessory Spleen TGLS = 8-25]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 4-24]			
Vagina		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 5-22]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105054

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	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6,5-25]			
[Mixed Cell Focus TGLS = 5-6,5-25]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 4-24]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-22,3-23]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
[Angiectasis TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105054

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-1]

* Skin

Subcut Tiss

Fibroma

[Fibroma TGLS = 7-26]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105055

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 | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Nose | Oral Mucosa | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

Lymph Node, Pancreatic

OBSERVATIONS

- | | | | |
|---------------------------------------|-----------|-----------------------|----------------------|
| * Adrenal Cortex | | Degeneration | Fatty, Moderate |
| | | Hypertrophy | Focal, Mild |
| * Intestine Small, Duodenum | | Infiltration Cellular | Histiocyte, Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | Bile Duct | Hyperplasia | Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| | | Inflammation | Chronic, Mild |
| | | Mixed Cell Focus | |
| [Basophilic Focus TGLS = 3-6] | | | |
| [Clear Cell Focus TGLS = 3-6] | | | |
| [Infiltration Cellular TGLS = 3-6] | | | |
| [Mixed Cell Focus TGLS = 3-6] | | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| * Lymph Node, Mesenteric | | Hyperplasia | Reticulum Cell, Mild |
| | | Infiltration Cellular | Histiocyte, Moderate |
| [Infiltration Cellular TGLS = 2-21] | | | |
| * Mammary Gland | | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 453	TRT#: 10	SEX: Female	DAY ON TEST: 736
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105055

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 10

SEX: Female

DAY ON TEST: 605

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105056

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Brain		Vacuolization Cytoplasmic	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-8]			
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 9-24]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-23]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 10

SEX: Female

DAY ON TEST: 605

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105056

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-7]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
Mesentery	Fat	Necrosis	Minimal
[Necrosis TGLS = 10-22]			
* Pituitary Gland		Leukemia Mononuclear	
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 3-21]			
* Spleen		Leukemia Mononuclear	
		Necrosis	Moderate
[Leukemia Mononuclear TGLS = 7-25]			
Tongue		Ulcer	Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

CONTRIBUTORY CAUSE OF DEATH - Skin Subcut Tiss Fibroma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105057

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, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
--------------------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 6-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 4-7]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 10

SEX: Female

DAY ON TEST: 736

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105057

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 5-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 456

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule Degeneration Hyperplasia	Moderate Fatty, Moderate Focal, Minimal
* Clitoral Gland	Carcinoma Cyst	Moderate
[Carcinoma TGLS = 1-22] [Cyst TGLS = 1-22]		
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus Infiltration Cellular Inflammation	Histiocyte, Mild Chronic, Minimal
[Basophilic Focus TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Infiltration Cellular Fibroadenoma Hyperplasia	Histiocyte, Moderate Mild
[Fibroadenoma TGLS = 3-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 456

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105058

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-8]

Oral Mucosa		Squamous Cell Carcinoma	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105059

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Mild
[Hyperplasia TGLS = 6-22]			
[Infiltration Cellular TGLS = 6-22]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 457

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105059

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-1]

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

Follicular Cel

Adenoma

* Uterus

Hyperplasia

Cystic, Moderate

Polyp Stromal

[Hyperplasia TGLS = 4-7]

[Polyp Stromal TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105060

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, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
		Mixed Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Marked
		Pigmentation	Moderate
[Hemorrhage TGLS = 5-22]			
[Infiltration Cellular TGLS = 5-22]			
[Pigmentation TGLS = 5-22]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-8,7-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105060

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Necrosis TGLS = 3-21]	Fat	Necrosis	Moderate
* Pituitary Gland [Cyst TGLS = 6-1]	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate Focal, Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal
* Uterus [Polyp Stromal TGLS = 4-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105061

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 Small, Jejunum
* Islets, Pancreatic	Lymph Node, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105061

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 10

SEX: Female

DAY ON TEST: 715

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Islets, Pancreatic	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Small, Jejunum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Eye		Inflammation	Chronic, Marked
[Inflammation TGLS = 7-44,8-44]			
* Harderian Gland		Hemorrhage	Marked
[Hemorrhage TGLS = 6-12]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
		Necrosis	Minimal
	Hepatocyte	Syncytial Alteration	Mild
Note: MULTIPLE NUCLEI ARE VISIBLE IN SEVERAL HEPATOCYTES.			
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Hemorrhage	Mild
	Mediastinal	Hyperplasia	Lymphoid, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 10

SEX: Female

DAY ON TEST: 715

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105062

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 5-3]

* Lymph Node, Mesenteric

Hemorrhage

Minimal

Infiltration Cellular

Histiocyte, Moderate

Lymph Node, Pancreatic

Infiltration Cellular

Histiocyte, Marked

* Mammary Gland

Fibroadenoma

Hyperplasia

Moderate

Note: FIBROADENOMA ON SLIDE 21 CONSISTS PRIMARILY OF FIBROUS TISSUE.

[Fibroadenoma TGLS = 3-21]

[Hyperplasia TGLS = 1-8]

Oral Mucosa

Squamous Cell Carcinoma

Note: SQUAMOUS CELL CARCINOMA IS ON SLIDES 9-1, 9-2, AND 9-3.

* Pituitary Gland

Pars Distalis

Cyst

Moderate

* Salivary Glands

Atrophy

Moderate

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

Tongue

Inflammation

Chronic, Minimal

* Uterus

Angiectasis

Mild

[Angiectasis TGLS = 9-7]

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Brain Squamous Cell Carcinoma Oral Mucosa; Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 461

TRT#: 10

SEX: Female

DAY ON TEST: 652

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105063

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, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Eosinophilic Focus TGLS = 4-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-21,3-22]			
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 461

TRT#: 10

SEX: Female

DAY ON TEST: 652

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105063

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

CONTRIBUTORY CAUSE OF DEATH

- Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 462

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
* Brain		Compression	Moderate
[Compression TGLS = 5-1]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 462

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105064

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 2-6]

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

Ultimobranchial Cyst

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105065

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, Jejunum	* Islets, Pancreatic	Lymph Node, Pancreatic
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Infarct	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 4-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]			
* Nose		Foreign Body	
		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105066

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, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland	Bilateral	Adenoma Hyperplasia Inflammation	Moderate Chronic, Mild
[Adenoma TGLS = 1-8,3-8]			
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Infiltration Cellular Inflammation Mixed Cell Focus	Histiocyte, Moderate Chronic, Mild
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hemorrhage Hyperplasia Infiltration Cellular	Minimal Mild Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage Infiltration Cellular	Mild Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 464	TRT#: 10	SEX: Female	DAY ON TEST: 735
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105066

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Fibroadenoma	
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 7-22]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	
Note: UTERINE STROMAL POLYP IS MARKEDLY NECROTIC AND HEMORRHAGIC.			
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Hypertrophy	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 2-22,3-23,4-24]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105067

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 10

SEX: Female

DAY ON TEST: 472

DOSE: 516 MG/L

DISP: Natural Death

HISTO: 105068

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, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 9-6]			
[Infiltration Cellular TGLS = 9-6]			
[Inflammation TGLS = 9-6]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
Lymph Node	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-24]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-5]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 466	TRT#: 10	SEX: Female	DAY ON TEST: 472
	DOSE: 516 MG/L	DISP: Natural Death	HISTO: 105068

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Hyperplasia	Moderate
* Spleen		Hemorrhage	Moderate
		Leukemia Mononuclear	
		Necrosis	Marked
[Hemorrhage TGLS = 2-21,4-23]			
[Leukemia Mononuclear TGLS = 1-6]			
[Necrosis TGLS = 3-22]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
		Ultimobranchial Cyst	Moderate

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 5-23]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Cyst	Moderate
		Nephropathy	Minimal
[Cyst TGLS = 8-5]			
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
[Basophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21,4-22]			
[Hyperplasia TGLS = 2-8]			
* Pituitary Gland	Pars Intermed	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105069

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 7-1]

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Uterus

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Brain		Gliosis	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 5-6]		
	[Mixed Cell Focus TGLS = 5-6]		
* Lung		Carcinoma	Metastatic (Uncertain Primary Site)
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
	[Fibroadenoma TGLS = 1-21]		
	[Hyperplasia TGLS = 2-8]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105070

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-1]

[Cyst TGLS = 6-1]

* Spleen

Tongue

Hematopoietic Cell Proliferation

Inflammation

Mild

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 10

SEX: Female

DAY ON TEST: 506

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105071

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Skin	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Harderian Gland		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Liver		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Marked
* Lung		Infiltration Cellular	Histiocyte, Mild
		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
		[Hemorrhage TGLS = 4-3]	
		[Hyperplasia TGLS = 4-3]	
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Lymph Node, Pancreatic		Hemorrhage	Mild
		Hyperplasia	Lymphoid, Mild
		Infiltration Cellular	Histiocyte, Moderate
		[Hemorrhage TGLS = 3-7]	
		[Hyperplasia TGLS = 3-7]	
Oral Mucosa		Squamous Cell Carcinoma	

Note: A PORTION OF THE SQUAMOUS CELL CARCINOMA IS IN ONE OF THE NASAL SECTIONS ON SLIDE 9-1.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 10

SEX: Female

DAY ON TEST: 506

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105071

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 5-21]

* Ovary

Cyst

Moderate

[Cyst TGLS = 2-7]

* Salivary Glands

Atrophy

Moderate

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Stomach, Forestomach

Edema

Marked

Erosion

Moderate

Epithelium

Hyperplasia

Marked

Inflammation

Chronic Active, Moderate

* Stomach, Glandular

Erosion

Mild

Hyperplasia

Minimal

Tongue

Granuloma

Hemorrhage

Minimal

Squamous Cell Carcinoma

Metastatic (Oral Mucosa)

Note: Granuloma associated with a hair fragment.

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Brain		Compression	Minimal
[Compression TGLS = 3-1]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6,5-23]			
[Clear Cell Focus TGLS = 5-6]			
[Mixed Cell Focus TGLS = 5-6,5-23]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Hemorrhage	Mild
		Hyperplasia	Lymphoid, Moderate
		Infiltration Cellular	Histiocyte, Marked
[Hemorrhage TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 470	TRT#: 10	SEX: Female	DAY ON TEST: 737
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105072

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-7]			
[Infiltration Cellular TGLS = 4-7]			
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-22]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Esophagus	* Lymph Node, Mandibular
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule Degeneration Hypertrophy Carcinoma	Moderate Fatty, Moderate Focal, Moderate
* Clitoral Gland [Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus Hyperplasia Infiltration Cellular Inflammation	Minimal Histiocyte, Mild Chronic, Moderate
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 472

TRT#: 10

SEX: Female

DAY ON TEST: 721

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate
[Fibroadenoma TGLS = 3-21,4-22]			
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 5-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Intermed	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal
* Spleen		Hematopoietic Cell Proliferation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 472

TRT#: 10

SEX: Female

DAY ON TEST: 721

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105074

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Hyperplasia	Focal, Minimal
* Clitoral Gland	Adenoma	
[Adenoma TGLS = 1-8]		
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Infiltration Cellular	Histiocyte, Mild
	Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 3-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Hemorrhage	Minimal
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]		
* Pancreas	Cyst	Moderate
Note: ACCESSORY SPLEEN IN PANCREAS; MORPHOLOGY UNAVAILABLE ON TDMS.		
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 4-1]		
* Spleen	Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105075

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
Oral Mucosa	* Ovary	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

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

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
[Compression TGLS = 8-1]			
* Eye	Retina	Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Minimal
		Mixed Cell Focus	
[Basophilic Focus TGLS = 6-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Infiltration Cellular	Histiocyte, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 7-25]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105076

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibroadenoma TGLS = 2-21,3-22,4-23,5-24]

[Hyperplasia TGLS = 1-8]

* Nose		Foreign Body	
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Intermed	Adenoma	
	[Adenoma TGLS = 9-1]		
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
Tongue		Ulcer	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Bone Marrow	Leukemia Mononuclear	
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Mild
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-21]		
[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Moderate
	Leukemia Mononuclear	
* Mammary Gland	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Moderate
	Pars Distalis	Focal, Moderate
* Spleen	Hyperplasia	Mild
	Hematopoietic Cell Proliferation	
	Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 2-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105077

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-6]

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 6-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 10

SEX: Female

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Mild
	Alveolar Epith	Metaplasia	Squamous, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Minimal
Oral Mucosa		Squamous Cell Carcinoma	
Note: SQUAMOUS CELL CARCINOMA IS ON SLIDES 9-1 AND 9-2.			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 10

SEX: Female

DAY ON TEST: 595

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105078

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 477

TRT#: 10

SEX: Female

DAY ON TEST: 567

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105079

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 Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose
Oral Mucosa	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	Vagina

MISSING

 Lymph Node, Pancreatic

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
		Sarcoma	Metastatic (Tissue Nos)
[Mixed Cell Focus TGLS = 9-6]			
[Sarcoma TGLS = 8-22]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Ovary		Cyst	Moderate
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 477	TRT#: 10	SEX: Female	DAY ON TEST: 567
	DOSE: 516 MG/L	DISP: Moribund Sacrifice	HISTO: 105079

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Follic	Hyperplasia	Mild
[Hematopoietic Cell Proliferation TGLS = 6-6]		
[Hyperplasia TGLS = 6-6]		
* Stomach, Glandular	Erosion	Mild
	Ulcer	Moderate
[Erosion TGLS = 10-23]		
[Ulcer TGLS = 10-23]		
Tissue NOS	Abdominal	Sarcoma
[Sarcoma TGLS = 7-21, 8-22]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 5-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex	Accessory Adrenal Cortical Nodule	Moderate
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Mild
* Kidney	Cyst	Moderate
	Infarct	Minimal
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Infiltration Cellular	Histiocyte, Moderate
	Inflammation	Chronic, Mild
	Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6]		
[Mixed Cell Focus TGLS = 4-6]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Mild
* Mammary Gland	Hyperplasia	Moderate
* Ovary	Cyst	Moderate
[Cyst TGLS = 1-7]		
* Stomach, Glandular	Inflammation	Mild
* Uterus	Hyperplasia	Cystic, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105080

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	Oral Mucosa
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Brain		Compression	Moderate
[Compression TGLS = 6-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
[Hyperplasia TGLS = 4-21]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-1]			
* Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 10

SEX: Female

DAY ON TEST: 729

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105081

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Leukemia Mononuclear

Adenoma

[Adenoma TGLS = 3-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 10

SEX: Female

DAY ON TEST: 580

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Harderian Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	Tongue	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

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

* Adrenal Cortex		Degeneration	Fatty, Marked
* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 5-22]			
* Eye		Inflammation	Chronic, Marked
[Inflammation TGLS = 4-21]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Moderate
[Fatty Change TGLS = 3-6]		Infiltration Cellular	Histiocyte, Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Moderate
[Hemorrhage TGLS = 2-5]			
* Mammary Gland		Hyperplasia	Mild
* Nose	Respirat Epith	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-9-1]			
* Salivary Glands		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 10

SEX: Female

DAY ON TEST: 580

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105082

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Mild
* Thymus		Atrophy	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

Animal Note: A SECTION OF ORAL MUCOSAL SQUAMOUS CELL CARCINOMA IS PRESENT ON SLIDE 12, BUT DOES NOT APPEAR TO BE INVOLVING THE HARDERIAN GLAND.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 481

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	Oral Mucosa	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 3-6]			
[Infiltration Cellular TGLS = 3-6]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 481

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105083

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Hematopoietic Cell Proliferation

Minimal

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 482

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Moderate
		Hypertrophy	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
[Basophilic Focus TGLS = 6-6]			
[Eosinophilic Focus TGLS = 6-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2-21,3-22,4-23]			
[Hyperplasia TGLS = 1-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 5-24]			
* Pancreas	Acinus	Hyperplasia	Focal, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 482

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105084

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Cyst

Moderate

Pars Distalis

Hyperplasia

Focal, Mild

[Cyst TGLS = 8-1]

* Spleen

Hematopoietic Cell Proliferation

Moderate

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tongue

Granuloma

Note: Hair Fragment.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular	* Parathyroid Gland
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Edema	Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
		Mixed Cell Focus	
[Hepatodiaphragmatic Nodule TGLS = 5-23]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hemorrhage	Moderate
	Mediastinal	Pigmentation	Mild
[Hemorrhage TGLS = 6-3]			
[Pigmentation TGLS = 6-3]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
[Infiltration Cellular TGLS = 4-22]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 483

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105085

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland

Fibroadenoma

[Fibroadenoma TGLS = 1-21]

Hyperplasia

[Hyperplasia TGLS = 3-8]

Moderate

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 7-1]

* Salivary Glands

Atrophy

Minimal

* Spleen

Hematopoietic Cell Proliferation

Mild

* Thyroid Gland

C Cell

Adenoma

C Cell

Carcinoma

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 484

TRT#: 10

SEX: Female

DAY ON TEST: 667

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney	Transit Epithe	Hyperplasia	Mild
		Infarct	Marked
		Inflammation	Chronic, Moderate
[Infarct TGLS = 2-5,3-5]			
Larynx		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-22]			
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
Note: BASOPHILIC FOCI ARE ON SLIDES 6 AND 21.			
[Basophilic Focus TGLS = 4-21]			
* Lung		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 484

TRT#: 10

SEX: Female

DAY ON TEST: 667

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105086

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 485

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mesenteric	* Nose	Oral Mucosa
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	Tongue
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OBSERVATIONS

* Adrenal Cortex		Degeneration Hypertrophy	Fatty, Moderate Focal, Mild
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Liver		Basophilic Focus Clear Cell Focus Infiltration Cellular Inflammation Leukemia Mononuclear Mixed Cell Focus	Histiocyte, Moderate Chronic, Moderate
[Basophilic Focus TGLS = 2-6] [Clear Cell Focus TGLS = 3-23] [Mixed Cell Focus TGLS = 2-6]			
* Lung	Alveolar Epith	Hyperplasia Infiltration Cellular	Moderate Histiocyte, Mild
[Hyperplasia TGLS = 4-24]			
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 485	TRT#: 10	SEX: Female	DAY ON TEST: 735
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105087

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 1-22]

* Pancreas		Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Urin Bladder			

Note: INFUSION ARTIFACT IN URINARY BLADDER.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 10

SEX: Female

DAY ON TEST: 709

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Skin	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
		Degeneration	Fatty, Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 5-6]			
[Fatty Change TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 4-21]			
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 6-3]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 486

TRT#: 10

SEX: Female

DAY ON TEST: 709

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105088

ORGAN AND ACCOUNTABLE SITE STATUS

Oral Mucosa

Squamous Cell Carcinoma

Note: SQUAMOUS CELL CARCINOMA IS PRESENT ON SLIDES 9-1 AND 22.

[Squamous Cell Carcinoma TGLS = 7-22]

* Pancreas

Atrophy

Minimal

Acinus

Cytoplasmic Alteration

Moderate

* Pituitary Gland

Pars Distalis

Cyst

Moderate

* Salivary Glands

Atrophy

Moderate

* Spleen

Lymph Follic

Atrophy

Mild

* Stomach, Forestomach

Epithelium

Pigmentation

Moderate

Hyperplasia

Marked

Ulcer

Marked

Tongue

Squamous Cell Carcinoma

Metastatic (Oral Mucosa)

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 487

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105089

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, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	Tissue NOS
Tongue	* Trachea	* Uterus	

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Clitoral Gland	Carcinoma	
[Carcinoma TGLS = 3-24]		
* Heart	Cardiomyopathy	Mild
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Hepatodiaphragmatic Nodule	
	Infiltration Cellular	Histiocyte, Mild
	Inflammation	Chronic, Minimal
	Leukemia Mononuclear	
	Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]		
[Hepatodiaphragmatic Nodule TGLS = 6-25]		
[Mixed Cell Focus TGLS = 5-6]		
* Lymph Node, Mesenteric	Infiltration Cellular	Histiocyte, Marked
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Minimal
* Mammary Gland	Fibroadenoma	Multiple
	Hyperplasia	Moderate
[Fibroadenoma TGLS = 1-22,2-23]		
[Hyperplasia TGLS = 4-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 487	TRT#: 10	SEX: Female	DAY ON TEST: 735
	DOSE: 516 MG/L	DISP: Terminal Sacrifice	HISTO: 105089

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Cyst	Moderate
* Pituitary Gland [Adenoma TGLS = 8-1]	Pars Distalis	Adenoma	
* Salivary Glands		Atrophy	Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
* Thyroid Gland [Carcinoma TGLS = 7-3]	C Cell	Carcinoma	
* Urinary Bladder		Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 10

SEX: Female

DAY ON TEST: 570

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Nose	* Ovary	* Parathyroid Gland	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Stomach, Forestomach
* Thyroid Gland	Tongue	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Bone	Cranium	Osteopetrosis	Mild
[Osteopetrosis TGLS = 4-21]			
* Eye		Inflammation	Chronic, Marked
[Inflammation TGLS = 3-44]			
* Liver		Fatty Change	Moderate
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Moderate
		Mixed Cell Focus	
[Fatty Change TGLS = 1-6]			
[Infiltration Cellular TGLS = 1-6]			
[Inflammation TGLS = 1-6]			
[Mixed Cell Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-9-1]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 488

TRT#: 10

SEX: Female

DAY ON TEST: 570

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105090

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Angiectasis

Mild

Pars Distalis

Hyperplasia

Focal, Mild

* Spleen

Lymph Follic

Atrophy

Moderate

* Stomach, Glandular

Erosion

Mild

* Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 10

SEX: Female

DAY ON TEST: 560

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105091

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	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	Tongue	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Fatty Change	Mild
		Inflammation	Chronic, Mild
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Minimal
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-21]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-22]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Glandular		Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 489

TRT#: 10

SEX: Female

DAY ON TEST: 560

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105091

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Mammary Gland Fibroadenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 10

SEX: Female

DAY ON TEST: 647

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
Tongue	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Brain		Compression	Mild
[Compression TGLS = 9-1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 3-5]			
[Leukemia Mononuclear TGLS = 3-5]			
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
[Hyperplasia TGLS = 1-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 490

TRT#: 10

SEX: Female

DAY ON TEST: 647

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105092

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Squamous Cell Carcinoma	Metastatic (Oral Mucosa)
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-9]			
* Pancreas		Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	Moderate
[Adenoma TGLS = 10-1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
* Stomach, Forestomach		Edema	Mild

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Mammary Gland Fibroadenoma; Pituitary Gland Pars Distalis Adenoma; Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 491

TRT#: 10

SEX: Female

DAY ON TEST: 721

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Eye	* Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
Vagina			

MISSING

* Lymph Node, Mandibular

INSUFFICIENT TISSUE

* Intestine Large, Rectum

OBSERVATIONS

* Adrenal Cortex	Degeneration	Fatty, Minimal
	Hyperplasia	Focal, Minimal
* Heart	Cardiomyopathy	Minimal
* Intestine Small, Duodenum	Infiltration Cellular	Histiocyte, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	Moderate
	Fatty Change	Histiocyte, Moderate
	Infiltration Cellular	Chronic, Minimal
	Inflammation	
	Mixed Cell Focus	
[Basophilic Focus TGLS = 5-6]		
[Fatty Change TGLS = 5-6]		
[Mixed Cell Focus TGLS = 5-6]		
* Lung	Alveolar/Bronchiolar Adenoma	Histiocyte, Mild
	Infiltration Cellular	Metastatic (Oral Mucosa)
	Squamous Cell Carcinoma	
[Infiltration Cellular TGLS = 9-23]		
[Squamous Cell Carcinoma TGLS = 8-22]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 491	TRT#: 10	SEX: Female	DAY ON TEST: 721
	DOSE: 516 MG/L	DISP: Moribund Sacrifice	HISTO: 105093

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hyperplasia	Lymphoid, Moderate
[Ectasia TGLS = 6-3]			
[Hyperplasia TGLS = 6-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Hyperplasia	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-21]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 7-25]			
* Pancreas	Acinus	Cytoplasmic Alteration	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Inflammation	Chronic, Mild
* Uterus		Angiectasis	Moderate
		Polyp Stromal	

Note: STROMAL POLYP IS PRESENT ON SLIDES 7 AND 24. ANGIECTASIS IS ON SLIDE 24.

[Polyp Stromal TGLS = 3-24]

PRIMARY CAUSE OF DEATH - Oral Mucosa Squamous Cell Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 492

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	Tongue	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Hypertrophy	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-21]			
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild

Note: FIBROADENOMA IS ON SLIDE 21 ADJACENT TO THE CLITORAL GLAND CARCINOMA.

[Hyperplasia TGLS = 2-8]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 492

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105094

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery
[Necrosis TGLS = 3-22]

Fat

Necrosis

Marked

* Pituitary Gland
[Cyst TGLS = 4-1]

Pars Distalis

Cyst

Moderate

* Spleen

Hematopoietic Cell Proliferation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 493

TRT#: 10

SEX: Female

DAY ON TEST: 461

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105095

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, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic	Tongue
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OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Moderate
* Lung		Infiltration Cellular	Histiocyte, Mild
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Note: LYMPHOID HYPERPLASIA INCLUDES HISTIOCYTIC COMPONENT.			
[Hyperplasia TGLS = 4-3]			
* Lymph Node, Mesenteric		Hemorrhage	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-21]			
* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
* Salivary Glands		Atrophy	Mild
* Spleen	Lymph Follic	Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 493

TRT#: 10

SEX: Female

DAY ON TEST: 461

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105095

ORGAN AND ACCOUNTABLE SITE STATUS

[Polyp Stromal TGLS = 2-7]

Zymbal's Gland

Carcinoma

[Carcinoma TGLS = 5-22]

PRIMARY CAUSE OF DEATH

- Zymbal's Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 494

TRT#: 10

SEX: Female

DAY ON TEST: 652

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Eye
* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	Oral Mucosa
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Minimal
		Hypertrophy	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Mild
* Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
* Lymph Node, Mandibular		Ectasia	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07
Test Type: CHRONIC
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: 10/17/2014
Time Report Requested: 11:20:36
First Dose M/F: NA / NA
Lab: SRI

ANIMAL ID: 494	TRT#: 10	SEX: Female	DAY ON TEST: 652
	DOSE: 516 MG/L	DISP: Moribund Sacrifice	HISTO: 105096

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 5-5]		Leukemia Mononuclear	
Lymph Node, Pancreatic [Leukemia Mononuclear TGLS = 3-7]		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Moderate
* Mammary Gland [Hyperplasia TGLS = 1-8]		Hyperplasia	Mild
* Nose	Respirat Epith	Foreign Body Hyperplasia Inflammation	Minimal Chronic, Mild
* Ovary		Leukemia Mononuclear	
* Pituitary Gland [Cyst TGLS = 10-1]	Pars Distalis	Cyst Leukemia Mononuclear	Moderate
* Spleen [Leukemia Mononuclear TGLS = 2-6]		Leukemia Mononuclear	
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH - Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105097

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, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Intestine Small, Ileum	Lymphoid Tiss	Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Minimal
	[Basophilic Focus TGLS = 3-6]		
* Lung		Foreign Body	
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic, Moderate
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Marked
	[Hemorrhage TGLS = 2-21]		
	[Infiltration Cellular TGLS = 2-21]		
* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Salivary Glands		Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 495

TRT#: 10

SEX: Female

DAY ON TEST: 735

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105097

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 496

TRT#: 10

SEX: Female

DAY ON TEST: 679

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Eye	* Harderian Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
Lymph Node, Pancreatic	* Nose	Oral Mucosa	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Fatty Change	Marked
		Infiltration Cellular	Histiocyte, Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 496

TRT#: 10

SEX: Female

DAY ON TEST: 679

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105098

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 7-1]			
[Angiectasis TGLS = 7-1]			
* Salivary Glands		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Stomach, Glandular		Erosion	Moderate
		Hyperplasia	Mild
[Erosion TGLS = 8-21]			
Tongue		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

- Spleen Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 497

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Harderian Gland
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
Lymph Node, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	Peripheral Nerve	* Skin	Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mandibular	* Thymus
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OBSERVATIONS

* Eye		Cataract	Marked
	Retina	Degeneration	Marked
[Cataract TGLS = 9-44]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
[Basophilic Focus TGLS = 6-6]			
[Hepatodiaphragmatic Nodule TGLS = 7-22]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Lymph Node, Mesenteric		Hemorrhage	Minimal
		Infiltration Cellular	Histiocyte, Mild
* Mammary Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-21,2-8]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 3-7]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 8-23]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 497

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105099

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Cyst

Moderate

* Salivary Glands

Atrophy

Moderate

Tongue

Ulcer

Moderate

* Urin Bladder

Note: INFUSION ARTIFACT IN URINARY BLADDER.

* Uterus

Hyperplasia

Cystic, Moderate

[Hyperplasia TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 498

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Eye	* Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
Oral Mucosa	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Spleen	* Thymus	Tongue
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Lymph Node, Mandibular	Lymph Node, Pancreatic
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OBSERVATIONS

* Adrenal Cortex		Accessory Adrenal Cortical Nodule	Moderate
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Moderate
[Carcinoma TGLS = 6-1]			
[Compression TGLS = 6-1]			
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Mild
[Basophilic Focus TGLS = 7-6]			
[Fatty Change TGLS = 7-6]			
* Lymph Node, Mesenteric		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Marked
[Fibroadenoma TGLS = 2-21]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 5-1]			
* Salivary Glands		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 498

TRT#: 10

SEX: Female

DAY ON TEST: 732

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105100

ORGAN AND ACCOUNTABLE SITE STATUS

Note: POLYMORPHONUCLEAR CELL INFILTRATE IN SAVILARY GLAND; NOT TABULATED ON TDMS.

* Stomach, Forestomach

Ulcer

Marked

[Ulcer TGLS = 8-4]

* Stomach, Glandular

Edema

Mild

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 9=No Corresponding Lesion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 499

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105101

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, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
Oral Mucosa	* Ovary	* Parathyroid Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Infiltration Cellular	Histiocyte, Moderate
	Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6,4-25]		
[Leukemia Mononuclear TGLS = 4-6,4-25]		
* Lung	Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-24]		
* Lymph Node, Mesenteric	Hemorrhage	Minimal
	Infiltration Cellular	Histiocyte, Moderate
Lymph Node, Pancreatic	Infiltration Cellular	Histiocyte, Marked
	Leukemia Mononuclear	
[Infiltration Cellular TGLS = 6-7]		
[Leukemia Mononuclear TGLS = 6-7]		
* Mammary Gland	Fibroadenoma	
	Hyperplasia	Mild
[Fibroadenoma TGLS = 1-21]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 499

TRT#: 10

SEX: Female

DAY ON TEST: 737

DOSE: 516 MG/L

DISP: Terminal Sacrifice

HISTO: 105101

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas		Cyst	Moderate
* Pituitary Gland	Pars Distalis	Cyst	Moderate
* Skin	Subcut Tiss	Fibroma	
Note: THE FIBROMA APPEARS TO BE INFILTRATING SKELETAL MUSCLE AND IS INFILTRATED BY NUMEROUS MAST CELLS. [Fibroma TGLS = 2-22]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Thyroid Gland	Follicular Cel	Carcinoma	
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 500

TRT#: 10

SEX: Female

DAY ON TEST: 583

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105102

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	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Cortex		Degeneration	Fatty, Mild
* Intestine Small, Duodenum		Infiltration Cellular	Histiocyte, Mild
* Kidney		Infarct	Moderate
[Infarct TGLS = 2-5]			
* Liver		Fatty Change	Moderate
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic, Moderate
[Fatty Change TGLS = 3-6]			
[Infiltration Cellular TGLS = 3-6]			
[Inflammation TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Ectasia	Moderate
	Mediastinal	Hemorrhage	Moderate
[Ectasia TGLS = 4-3]			
[Hemorrhage TGLS = 4-3]			
* Lymph Node, Mesenteric		Hemorrhage	Mild
		Infiltration Cellular	Histiocyte, Mild
Lymph Node, Pancreatic		Infiltration Cellular	Histiocyte, Marked
* Mammary Gland		Hyperplasia	Mild
Oral Mucosa		Squamous Cell Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-07

Test Type: CHRONIC

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: 10/17/2014

Time Report Requested: 11:20:36

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 500

TRT#: 10

SEX: Female

DAY ON TEST: 583

DOSE: 516 MG/L

DISP: Moribund Sacrifice

HISTO: 105102

ORGAN AND ACCOUNTABLE SITE STATUS

[Squamous Cell Carcinoma TGLS = 5-21]

* Pituitary Gland	Pars Distalis	Cyst	Moderate
	Pars Distalis	Hyperplasia	Focal, Minimal
* Salivary Glands		Atrophy	Moderate
Note: ATROPHY INVOLVES SUBMANDIBULAR, SUBLINGUAL, AND PAROTID SALIVARY GLANDS.			
* Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Moderate
* Stomach, Forestomach	Epithelium	Hyperplasia	Mild
		Ulcer	Mild
* Stomach, Glandular		Ulcer	Mild
* Thymus		Atrophy	Moderate
Tongue		Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

- Oral Mucosa Squamous Cell Carcinoma

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE