

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

|                             |            |
|-----------------------------|------------|
| <b>C Number:</b>            | C20114B    |
| <b>Lock Date:</b>           | 05/15/2003 |
| <b>Cage Range:</b>          | All        |
| <b>Date Range:</b>          | All        |
| <b>Reasons For Removal:</b> | All        |
| <b>Removal Date Range:</b>  | All        |
| <b>Treatment Groups:</b>    | All        |
| <b>Study Gender:</b>        | Male       |
| <b>PWG Approval Date</b>    | NONE       |

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 111

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202401

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|  |              |                           |         |
|--|--------------|---------------------------|---------|
| Kidney                                     | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver                                    |              | Inflammation              | Minimal |
| Lymph Node                                 |              |                           |         |
| Note: PANCREATIC LYMPH NODE MISSING.       |              |                           |         |
| Parathyroid Gland                          |              |                           |         |
| Note: ONE OF PAIR MISSING.                 |              |                           |         |
| Pituitary Gland                            |              |                           |         |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |         |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                     |                                 |                        |
|-----------------------|---------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 112 | <b>TRT#:</b> 1      | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 0 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202402  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

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**OBSERVATIONS**

|            |              |                           |         |
|------------|--------------|---------------------------|---------|
| Kidney     | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver    |              | Inflammation              | Minimal |
| Lymph Node |              |                           |         |

Note: PANCREATIC LYMPH NODE MISSING.

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                     |                                 |                        |
|-----------------------|---------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 113 | <b>TRT#:</b> 1      | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 0 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202403  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

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**INSUFFICIENT TISSUE**

Pituitary Gland

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**OBSERVATIONS**

|            |              |                           |         |
|------------|--------------|---------------------------|---------|
| Kidney     | Renal Tubule | Regeneration              | Minimal |
|            | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver    |              | Inflammation              | Minimal |
| Lymph Node |              |                           |         |

Note: PANCREATIC LYMPH NODE MISSING.

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 20114-05

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Mouse/B6C3F1

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Sodium dichromate dihydrate (VI)

CAS Number: 7789-12-0

Date Report Requested: 10/15/2014

Time Report Requested: 22:03:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 114

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 MG/L

DISP: Terminal Sacrifice

HISTO: 0202404

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|  |              |                           |                |
|--|--------------|---------------------------|----------------|
| Kidney                                     | Renal Tubule | Vacuolization Cytoplasmic | Mild           |
| * Liver                                    |              | Inflammation              | Minimal        |
|  |              | Necrosis                  | Focal, Minimal |
| Lymph Node                                 |              |                           |                |
| Note: PANCREATIC LYMPH NODE MISSING.       |              |                           |                |
| Pituitary Gland                            |              |                           |                |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |                |

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 115

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202405

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|                                      |              |                           |         |
|--------------------------------------|--------------|---------------------------|---------|
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver                              |              | Inflammation              | Minimal |
| Lymph Node                           |              |                           |         |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                           |         |
| Parathyroid Gland                    |              |                           |         |
| Note: ONE OF PAIR MISSING.           |              |                           |         |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 116

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202406

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

**OBSERVATIONS**

|         |              |                           |         |
|---------|--------------|---------------------------|---------|
| Kidney  | Renal Tubule | Regeneration              | Minimal |
|         | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver |              | Depletion Glycogen        | Minimal |
|         |              | Inflammation              | Minimal |

Lymph Node

Note: PANCREATIC LYMPH NODE MISSING.

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                     |                                 |                        |
|-----------------------|---------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 117 | <b>TRT#:</b> 1      | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 0 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202407  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

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**OBSERVATIONS**

|         |              |                                  |                |
|---------|--------------|----------------------------------|----------------|
| Kidney  | Renal Tubule | Vacuolization Cytoplasmic        | Mild           |
| * Liver |              | Hematopoietic Cell Proliferation | Minimal        |
|         |              | Inflammation                     | Minimal        |
|         |              | Necrosis                         | Focal, Minimal |

Lymph Node  
Note: PANCREATIC LYMPH NODE MISSING.

Parathyroid GI  
Note: ONE OF PAIR MISSING.

Pituitary GI  
Note: PARS INTERMEDIA AND NERVOSA MISSING.

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 118

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202408

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|  |              |                           |                |
|--|--------------|---------------------------|----------------|
| Kidney                                     | Renal Tubule | Vacuolization Cytoplasmic | Mild           |
| * Liver                                    |              | Inflammation              | Minimal        |
|  |              | Necrosis                  | Focal, Minimal |
| Lymph Node                                 |              |                           |                |
| Note: PANCREATIC LYMPH NODE MISSING.       |              |                           |                |
| Parathyroid G1                             |              |                           |                |
| Note: ONE OF PAIR MISSING.                 |              |                           |                |
| Pituitary G1                               |              |                           |                |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |                |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 119

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 0 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202409

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

**OBSERVATIONS**

|            |              |                           |         |
|------------|--------------|---------------------------|---------|
| Kidney     | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver    |              | Inflammation              | Minimal |
| Lymph Node |              |                           |         |

Note: PANCREATIC LYMPH NODE MISSING.

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                     |                                 |                        |
|-----------------------|---------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 120 | <b>TRT#:</b> 1      | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 0 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202410  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

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**OBSERVATIONS**

|  |              |                           |         |
|--|--------------|---------------------------|---------|
| Kidney                                     | Renal Tubule | Vacuolization Cytoplasmic | Mild    |
| * Liver                                    |              | Inflammation              | Minimal |
| Lymph Node                                 |              |                           |         |
| Note: PANCREATIC LYMPH NODE MISSING.       |              |                           |         |
| Pituitary Gland                            |              |                           |         |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |         |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 211

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202411

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

|         |                        |          |                        |
|---------|------------------------|----------|------------------------|
| * Liver | Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach |
|---------|------------------------|----------|------------------------|

**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Stomach, Glandular      | Glands       | Vacuolization Cytoplasmic | Minimal             |

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 212

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202412

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

Intestine Small, Duodenum  
\* Stomach, Glandular

Lymph Node, Mesenteric

Pancreas

\* Stomach, Forestomach

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**OBSERVATIONS**

Kidney

Renal Tubule

Regeneration

Minimal

Renal Tubule

Vacuolization Cytoplasmic

Moderate

\* Liver

Inflammation

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 213 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202413  |

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                           |                        |          |                        |
|---------------------------|------------------------|----------|------------------------|
| Intestine Small, Duodenum | Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach |
| * Stomach, Glandular      |                        |          |                        |

---

**OBSERVATIONS**

|         |              |                           |          |
|---------|--------------|---------------------------|----------|
| Kidney  | Renal Tubule | Vacuolization Cytoplasmic | Moderate |
| * Liver |              | Inflammation              | Minimal  |

---

PRIMARY CAUSE OF DEATH

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 214 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202414  |

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

---

**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Inflammation              | Minimal             |
| Pancreas                  |              | Depletion Secretory       | Minimal             |

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 215 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202415  |

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

---

**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Minimal             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 216 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202416  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Mild                |
|                           |              | Inflammation              | Minimal             |
| Pancreas                  |              | Depletion Secretory       | Minimal             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 217 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202417  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Inflammation              | Minimal             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**ANIMAL ID:** 218

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 62.5 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202418

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

\* Liver

Lymph Node, Mesenteric

Pancreas

\* Stomach, Forestomach

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**OBSERVATIONS**

Intestine Small, Duodenum

Infiltration Cellular

Histiocyte, Minimal

Kidney

Renal Tubule

Vacuolization Cytoplasmic

Mild

\* Stomach, Glandular

Glands

Vacuolization Cytoplasmic

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 219 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202419  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Inflammation              | Minimal             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                        |                                 |                        |
|-----------------------|------------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 220 | <b>TRT#:</b> 2         | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 62.5 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202420  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Moderate            |
| * Liver                   |              | Inflammation              | Minimal             |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 311 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202421  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                  |
|---------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal          |
|                           |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Minimal          |
| * Liver                   |              | Depletion Glycogen        | Minimal          |
|                           |              | Inflammation              | Mild             |

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 312 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202422  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                  |
|---------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal          |
|                           |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild             |
| * Liver                   |              | Depletion Glycogen        | Minimal          |
|                           |              | Inflammation              | Minimal          |
| Pancreas                  |              | Depletion Secretory       | Minimal          |

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 313 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202423  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Mild                |
| Pancreas                  |              | Depletion Secretory       | Minimal             |

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 314

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 125 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202424

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Lymph Node, Mesenteric

\* Stomach, Forestomach

**OBSERVATIONS**

Intestine Small, Duodenum

Epithelium

Hyperplasia

Minimal

Infiltration Cellular

Histiocyte, Minimal

Kidney

Renal Tubule

Vacuolization Cytoplasmic

Mild

\* Liver

Depletion Glycogen

Minimal

Pancreas

Depletion Secretory

Minimal

\* Stomach, Glandular

Erosion

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 315 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202425  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |          |                        |                      |
|------------------------|----------|------------------------|----------------------|
| Lymph Node, Mesenteric | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Mild                |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Regeneration              | Minimal             |
|                           | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Mild                |
|                           |              | Inflammation              | Minimal             |

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 316 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202426  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                  |
|---------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal          |
|                           |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Moderate         |
| * Liver                   |              | Depletion Glycogen        | Minimal          |
|                           |              | Inflammation              | Minimal          |
|                           |              | Necrosis                  | Focal, Minimal   |
| Pancreas                  |              | Depletion Secretory       | Minimal          |

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 317 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202427  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Mild                |
|                           |              | Inflammation              | Minimal             |
| Pancreas                  |              | Depletion Secretory       | Minimal             |

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 318 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202428  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

|         |          |                        |                      |
|---------|----------|------------------------|----------------------|
| * Liver | Pancreas | * Stomach, Forestomach | * Stomach, Glandular |
|---------|----------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Regeneration              | Minimal             |
|                           | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| Lymph Node, Mesenteric    |              | Infiltration Cellular     | Histiocyte, Minimal |

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 319 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202429  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                  |
|---------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal          |
|                           |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Minimal          |
| * Liver                   |              | Depletion Glycogen        | Minimal          |
| Pancreas                  |              | Depletion Secretory       | Minimal          |

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 320 | <b>TRT#:</b> 3        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 125 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202430  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

|                        |                        |                      |
|------------------------|------------------------|----------------------|
| Lymph Node, Mesenteric | * Stomach, Forestomach | * Stomach, Glandular |
|------------------------|------------------------|----------------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                   |              | Depletion Glycogen        | Mild                |
|                           |              | Inflammation              | Minimal             |
| Pancreas                  |              | Depletion Secretory       | Minimal             |

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 411

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202431

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

**OBSERVATIONS**

|  |              |                           |                  |
|--|--------------|---------------------------|------------------|
| Adren Medulla                              |              |                           |                  |
| Note: ONE OF PAIR MISSING.                 |              |                           |                  |
| Intestine Small, Duodenum                  | Epithelium   | Hyperplasia               | Mild             |
|  |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                                     | Renal Tubule | Regeneration              | Minimal          |
|  | Renal Tubule | Vacuolization Cytoplasmic | Minimal          |
| * Liver                                    |              | Depletion Glycogen        | Mild             |
| Lymph Node                                 |              |                           |                  |
| Note: PANCREATIC LYMPH NODE MISSING.       |              |                           |                  |
| Pancreas                                   |              | Depletion Secretary       | Minimal          |
| Pituitary Gland                            |              |                           |                  |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |                  |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 412

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202432

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|                                      |              |                       |                  |
|--------------------------------------|--------------|-----------------------|------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia           | Mild             |
|                                      |              | Infiltration Cellular | Histiocyte, Mild |
| Kidney                               | Renal Tubule | Regeneration          | Minimal          |
| * Liver                              |              | Depletion Glycogen    | Mild             |
|                                      |              | Inflammation          | Minimal          |
| Lymph Node                           |              |                       |                  |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                       |                  |
| Pancreas                             |              | Depletion Secretory   | Minimal          |
| Parathyroid GI                       |              |                       |                  |
| Note: ONE OF PAIR MISSING.           |              |                       |                  |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 413

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202433

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|  |              |                           |                     |
|--|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum                  | Epithelium   | Hyperplasia               | Mild                |
|  |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                                     | Renal Tubule | Regeneration              | Minimal             |
|  | Renal Tubule | Vacuolization Cytoplasmic | Mild                |
| * Liver                                    |              | Depletion Glycogen        | Mild                |
|  |              | Inflammation              | Minimal             |
| Lymph Node                                 |              |                           |                     |
| Note: PANCREATIC LYMPH NODE IS MISSING.    |              |                           |                     |
| Lymph Node, Mesenteric                     |              | Infiltration Cellular     | Histiocyte, Minimal |
| Pancreas                                   |              | Depletion Secretory       | Minimal             |
| Parathyroid Gland                          |              |                           |                     |
| Note: ONE OF PAIR MISSING.                 |              |                           |                     |
| Pituitary Gland                            |              |                           |                     |
| Note: PARS INTERMEDIA AND NERVOSA MISSING. |              |                           |                     |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 414

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202434

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|                                      |              |                                      |                              |
|--------------------------------------|--------------|--------------------------------------|------------------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia<br>Infiltration Cellular | Mild<br>Histiocyte, Moderate |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic            | Mild                         |
| * Liver                              |              | Depletion Glycogen<br>Inflammation   | Moderate<br>Minimal          |
| Lymph Node                           |              |                                      |                              |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                                      |                              |
| Pancreas                             |              | Depletion Secretory                  | Minimal                      |
| Parathyroid GI                       |              |                                      |                              |
| Note: ONE OF PAIR MISSING.           |              |                                      |                              |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 415 | <b>TRT#:</b> 4        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 250 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202435  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

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**OBSERVATIONS**

|                           |              |                           |                     |
|---------------------------|--------------|---------------------------|---------------------|
| Intestine Small, Duodenum | Epithelium   | Hyperplasia               | Minimal             |
|                           |              | Infiltration Cellular     | Histiocyte, Minimal |
| Kidney                    | Renal Tubule | Vacuolization Cytoplasmic | Minimal             |
| * Liver                   |              | Depletion Glycogen        | Minimal             |
| Lymph Node                |              |                           |                     |

Note: PANCREATIC LYMPH NODE MISSING.

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 416

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202436

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|                                      |              |                           |                  |
|--------------------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia               | Mild             |
|                                      |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic | Minimal          |
| * Liver                              |              | Depletion Glycogen        | Moderate         |
| Lymph Node                           |              |                           |                  |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                           |                  |
| Pancreas                             |              | Depletion Secretory       | Minimal          |
| Parathyroid GI                       |              |                           |                  |
| Note: ONE OF PAIR MISSING.           |              |                           |                  |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 417 | <b>TRT#:</b> 4        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 250 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202437  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |                   |             |
|------------|-------------------|-------------|
| Lymph Node | Parathyroid Gland | Spinal Cord |
|------------|-------------------|-------------|

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**INSUFFICIENT TISSUE**

Mammary Gland

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**OBSERVATIONS**

|                                      |              |                           |                      |
|--------------------------------------|--------------|---------------------------|----------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia               | Mild                 |
|                                      |              | Infiltration Cellular     | Histiocyte, Moderate |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic | Minimal              |
| * Liver                              |              | Depletion Glycogen        | Moderate             |
|                                      |              | Inflammation              | Minimal              |
| Lymph Node                           |              |                           |                      |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                           |                      |
| Lymph Node, Mesenteric               |              | Infiltration Cellular     | Histiocyte, Mild     |
| Pancreas                             |              | Depletion Secretory       | Minimal              |

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 418

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202438

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

**OBSERVATIONS**

|                                      |              |                           |                  |
|--------------------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia               | Minimal          |
|                                      |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic | Mild             |
| * Liver                              |              | Depletion Glycogen        | Mild             |
|                                      |              | Inflammation              | Minimal          |
| Lymph Node                           |              |                           |                  |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                           |                  |
| Pancreas                             |              | Depletion Secretory       | Minimal          |

**PRIMARY CAUSE OF DEATH** -

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**ANIMAL ID:** 419

**TRT#:** 4

**SEX:** Male

**DAY ON TEST:** 92

**DOSE:** 250 MG/L

**DISP:** Terminal Sacrifice

**HISTO:** 0202439

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

|            |               |             |
|------------|---------------|-------------|
| Lymph Node | Mammary Gland | Spinal Cord |
|------------|---------------|-------------|

**OBSERVATIONS**

|                                      |              |                                      |                             |
|--------------------------------------|--------------|--------------------------------------|-----------------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia<br>Infiltration Cellular | Minimal<br>Histiocyte, Mild |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic            | Minimal                     |
| * Liver                              |              | Depletion Glycogen                   | Mild                        |
| Lymph Node                           |              |                                      |                             |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                                      |                             |
| Pancreas                             |              | Depletion Secretory                  | Minimal                     |
| Parathyroid GI                       |              |                                      |                             |
| Note: ONE OF PAIR MISSING.           |              |                                      |                             |

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 20114-05  
**Test Type:** 90-DAY  
**Route:** DOSED WATER  
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 22:03:20  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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|                       |                       |                                 |                        |
|-----------------------|-----------------------|---------------------------------|------------------------|
| <b>ANIMAL ID:</b> 420 | <b>TRT#:</b> 4        | <b>SEX:</b> Male                | <b>DAY ON TEST:</b> 92 |
|                       | <b>DOSE:</b> 250 MG/L | <b>DISP:</b> Terminal Sacrifice | <b>HISTO:</b> 0202440  |

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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**NORMAL**

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

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**MISSING**

|            |               |                   |             |
|------------|---------------|-------------------|-------------|
| Lymph Node | Mammary Gland | Parathyroid Gland | Spinal Cord |
|------------|---------------|-------------------|-------------|

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**OBSERVATIONS**

|                                      |              |                           |                  |
|--------------------------------------|--------------|---------------------------|------------------|
| Intestine Small, Duodenum            | Epithelium   | Hyperplasia               | Minimal          |
|                                      |              | Infiltration Cellular     | Histiocyte, Mild |
| Kidney                               | Renal Tubule | Vacuolization Cytoplasmic | Minimal          |
| * Liver                              |              | Depletion Glycogen        | Mild             |
| Lymph Node                           |              |                           |                  |
| Note: PANCREATIC LYMPH NODE MISSING. |              |                           |                  |
| Lymph Node, Mesenteric               |              | Infiltration Cellular     | Histiocyte, Mild |
| Pancreas                             |              | Depletion Secretory       | Minimal          |

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PRIMARY CAUSE OF DEATH -

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

\* PROTOCOL REQUIRED TISSUE