

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

C Number:	C08548
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_001

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Congestion, Nos Lymphocytic Inflammatory Infiltrate
Lung	Bronchiole	Congestion, Nos Distention Emphysema, Nos Hemosiderosis
	Bronchus	Hyperplasia, Epithelial Inflammation, Focal Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver Amyloidosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_003

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos Calcification, Nos Degeneration, Hyaline
Liver		Amyloidosis Congestion, Nos Fibrosis Perivasculitis
Lung		Congestion, Nos Edema, Nos Hemosiderosis
Lymph node	Inguinal Lymph Node	Hyperplasia, Nos
Spleen		Angiectasis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos Hemorrhage Inflammation, Nos Lymphoma, Nos-Malignant
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Nos
Amyloidosis
Congestion, Nos
Necrosis, Nos

Lung

Congestion, Nos
Hyperplasia, Nos
Hypertrophy, Nos
Inflammation, Focal

Alveolar Wall

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_006

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Nos

Liver

Congestion, Nos

Necrosis, Nos

Lung

Congestion, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_008

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Cyst, Nos
		Fibrosis
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Congestion, Nos
		Fibrosis
		Inflammation, Nos
Lymph node	Inguinal Lymph Node	Congestion, Nos
	Inguinal Lymph Node	Necrosis, Nos
Spleen		Amyloidosis
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_009

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_010

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Necrosis, Nos

Lung

Congestion, Nos

Lymph node

Inguinal Lymph Node

Hyperplasia, Nos

Stomach

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_011

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Inflammation, Nos
Congestion, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_013

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
		Cyst, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Inflammation, Nos
		Necrosis, Nos
Spleen		Congestion, Nos
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_015

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_016

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
Lung		Congestion, Nos
	Alveolar Wall	Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cyst, Nos
	Tubule	Dilatation, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Skin		Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_018

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Calcification, Nos Calcinosis, Nos Inflammation, Nos
Liver		Amyloidosis Congestion, Nos
Lung		Congestion, Nos Hyperplasia, Nos Inflammation, Nos
Lymph node	Hilar Lymph Node Hilar Lymph Node Hilar Lymph Node	Inflammation, Nos Necrosis, Nos Thrombus, Organized
Spleen		Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Nos
Amyloidosis
Congestion, Nos
Fibrosis
Necrosis, Nos

Lung

Alveolar Wall

Perivasculitis
Congestion, Nos

Lymph node

Hilar Lymph Node

Hypertrophy, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Nos
Abscess, Nos
Amyloidosis
Congestion, Nos
Perivasculitis
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos

Lung

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_021

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Inflammation, Nos

Amyloidosis

Congestion, Nos

Necrosis, Nos

Perivasculitis

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_022

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

Spleen

Inflammation, Nos

Angiectasis

Unspecified

Multiple Organs Nos

Necrosis, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Nos
Kidney		Inflammation, Nos
Liver		Amyloidosis
		Fibrosis
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Lymph node	Hilar Lymph Node	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_024

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Lung

Inflammation, Nos

Congestion, Nos

Alveolar Wall

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_025

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Lung

Congestion, Nos

Inflammation, Nos

Lymph node

Hilar Lymph Node

Hyperplasia, Nos

Skin

Degeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_026

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Calcinosis, Nos

Liver

Nephrosis, Nos

Amyloidosis

Lung

Bile Duct Adenoma

Congestion, Nos

Congestion, Nos

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_027

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos
Stomach	Edema, Nos
	Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_029

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Metaplasia, Broncho-Alveolar
Lymph node	Axillary Lymph Node	Hyperplasia, Nos
	Inguinal Lymph Node	Hyperplasia, Nos
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_030

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Larynx

Liver

Lung

Spleen

Trachea

Bronchus

Inflammation, Nos

Congestion, Nos

Necrosis, Nos

Perivasculitis

Congestion, Nos

Inflammation, Nos

Inflammation, Nos

Hyperplasia, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_032

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Bile Duct

Cyst, Nos

Fibrosis

Lung

Congestion, Nos

Edema, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_033

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland
Larynx
Liver

Cortex Nos

Hyperplasia, Nos
Metaplasia, Squamous
Amyloidosis
Congestion, Nos
Fibrosis

Lung

Metamorphosis, Fatty
Congestion, Nos
Edema, Nos

Lymph node
Spleen
Stomach

Hilar Lymph Node

Inflammation, Nos
Hyperplasia, Nos
Hyperplasia, Nos
Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_034

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos Degeneration, Hyaline
Liver		Congestion, Nos Perivasculitis
Lung		Congestion, Nos Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_035

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Emphysema, Nos

Inflammation, Interstitial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_036

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Amyloidosis
		Congestion, Nos
Lung		Congestion, Nos
		Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Liver		Amyloidosis
		Congestion, Nos
		Perivascularitis
Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_039

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Lung

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_040

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Fibrosis

Lung

Congestion, Nos

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_041

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Lung

Cyst, Nos
Congestion, Nos
Hemorrhage
Hemosiderosis
Hemosiderosis
Hemosiderosis
Hyperplasia, Nos
Hyperplasia, Nos

Lymph node

Axillary Lymph Node
Inguinal Lymph Node
Axillary Lymph Node
Inguinal Lymph Node

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_042

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Kidney

Degeneration, Nos

Liver

Amyloidosis

Necrosis, Nos

Lung

Congestion, Nos

Edema, Nos

Inflammation, Nos

Spleen

Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_043

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Lung

Congestion, Nos

Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney
Liver

Tubule

Degeneration, Nos
Congestion, Nos
Fibrosis
Perivascularitis
Congestion, Nos
Emphysema, Nos
Hyperplasia, Nos

Lung

Spleen

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Cyst, Nos
Liver		Cirrhosis, Nos
	Bile Duct	Cyst, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hemosiderosis
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_046

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Congestion, Nos
		Cyst, Nos
		Emphysema, Nos
		Hemorrhage
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_047

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver
Lung

Bile Duct

Cyst, Nos
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos
Necrosis, Nos
Squamous Cell Papilloma

Stomach

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_048

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_049

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Bile Duct

Inflammation, Nos

Amyloidosis

Congestion, Nos

Cyst, Nos

Congestion, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_050

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Emphysema, Nos
		Inflammation, Focal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_051

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Perivasculitis

Lung

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Alveolar Wall

Hypertrophy, Nos

Lymph node

Inguinal Lymph Node

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_052

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Inflammation, Interstitial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_053

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Cyst, Nos

Degeneration, Nos

Liver

Fibrosis

Lung

Congestion, Nos

Lymph node

Inguinal Lymph Node

Emphysema, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_054

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
	Bile Duct	Cyst, Nos
Lung		Congestion, Nos
		Hyperplasia, Nos
	Alveolar Wall	Hypertrophy, Nos
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_055

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Degeneration, Hyaline
	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Inflammation, Nos
Skeletal muscle		Degeneration, Nos
Spleen		Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_056

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Congestion, Nos

Lung

Congestion, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_057

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortical Adenoma

Kidney

Necrosis, Nos

Liver

Bile Duct

Degeneration, Nos

Bile Duct

Cyst, Nos

Dilatation, Nos

Metamorphosis, Fatty

Necrosis, Nos

Perivasculitis

Lung

Congestion, Nos

Degeneration, Nos

Hyperplasia, Nos

Hypertrophy, Nos

Inflammation, Nos

Metaplasia, Broncho-Alveolar

Mucocele

Lymph node

Hilar Lymph Node

Degeneration, Nos

Spleen

Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_058

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Larynx

Tubule

Degeneration, Nos
Hyperplasia, Nos
Inflammation, Nos

Liver

Amyloidosis
Congestion, Nos

Lung

Bile Duct

Cyst, Nos
Congestion, Nos
Emphysema, Nos

Alveolar Wall

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_059

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Necrosis, Nos

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_060

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Bile Duct

Cyst, Nos

Necrosis, Nos

Lung

Congestion, Nos

Hyperplasia, Nos

Inflammation, Nos

Spleen

Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_061

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung		Hemosiderosis
	Bronchus	Hyperplasia, Epithelial
		Metaplasia, Broncho-Alveolar
Lymph node	Inguinal Lymph Node	Hyperplasia, Nos
	Renal Lymph Node	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_062

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Amyloidosis
		Perivascularitis
Lung		Congestion, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_063

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Angiectasis
		Congestion, Chronic
	Bile Duct	Cyst, Nos
		Hemosiderosis
		Perivasculitis
Lung		Congestion, Nos
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_064

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Inflammation, Nos

Amyloidosis

Necrosis, Nos

Congestion, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_065

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Nos

Liver

Congestion, Nos

Necrosis, Nos

Lung

Hyperplasia, Nos

Alveolar Wall

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_066

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Hemorrhage
		Hemosiderosis
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_067

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Lung

Congestion, Nos

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_068

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_069

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung

Cortex Nos

Hyperplasia, Nos
Inflammation, Nos
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos
Lymphoma, Nos-Malignant

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_071

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Bile Duct

Cyst, Nos

Lung

Congestion, Nos

Alveolar Wall

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_072

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Amyloidosis Congestion, Nos
	Bile Duct	Cyst, Nos Congestion, Nos
Lung		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_073

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Fibrosis

Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_074

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Lung

Congestion, Nos

Alveolar Wall

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_075

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Necrosis, Nos
		Perivasculitis
Lung		Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_076

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Lymph node

Inguinal Lymph Node

Congestion, Nos
Lymphangiectasis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_078

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Amyloidosis
	Perivasculitis
Lung	Congestion, Nos
	Hyperplasia, Nos
	Inflammation, Nos
	Lymphocytic Inflammatory Infiltrate
Trachea	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_079

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Amyloidosis

Congestion, Nos

Necrosis, Nos

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_080

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
	Bile Duct	Cyst, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_081

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Congestion, Nos Necrosis, Nos Perivasculitis
Lung	Congestion, Nos Hemorrhage Hemosiderosis Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_082

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Inflammation, Nos
Amyloidosis
Bile Duct Adenoma
Congestion, Nos
Perivasculitis
Congestion, Nos
Hemorrhage

Lung
Spleen

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_083

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Perivasculitis
Lung		Congestion, Nos
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_084

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Congestion, Nos
Congestion, Nos
Emphysema, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_085

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
Lung		Congestion, Nos
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_086

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Inflammation, Nos

Congestion, Nos

Necrosis, Nos

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_087

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
	Bile Duct	Cyst, Nos
		Fibrosis
Lung		Congestion, Nos
		Hemorrhage
	Alveolar Wall	Hypertrophy, Nos
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_088

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Degeneration, Nos

Liver

Congestion, Nos

Bile Duct

Cyst, Nos

Fibrosis

Perivasculitis

Lung

Alveolar Epithelium

Cell-Shape Alteration

Congestion, Nos

Edema, Nos

Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_089

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver

Bile Duct

Lung

Inflammation, Nos
Congestion, Nos
Cyst, Nos
Necrosis, Nos
Congestion, Nos
Emphysema, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_090

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Inflammation, Nos

Congestion, Nos

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_091

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Lung

Tubule

Degeneration, Nos
Congestion, Nos
Hyperplasia, Nos

Bronchus

Inflammation, Nos
Inflammation, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_092

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Nos

Liver

Congestion, Nos

Perivasculitis

Lung

Congestion, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_093

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Cortex Nos

Necrosis, Nos

Kidney

Inflammation, Nos

Liver

Amyloidosis

Congestion, Nos

Bile Duct

Cyst, Nos

Lung

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_094

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Perivasculitis
Lung		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_095

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Larynx

Inflammation, Nos

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_096

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Nos

Liver

Necrosis, Nos

Perivascularitis

Lung

Alveolar Epithelium

Cell-Shape Alteration

Congestion, Nos

Edema, Nos

Emphysema, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_097

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchiole	Distention
		Emphysema, Nos
		Hemosiderosis
		Metaplasia, Broncho-Alveolar
Stomach		Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:57

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_098

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Inflammation, Interstitial

Amyloidosis

Congestion, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:57
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_100

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Hemorrhage
	Inflammation, Interstitial
Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Tubule
Tubule

Cyst, Nos
Degeneration, Nos

Liver

Amyloidosis
Congestion, Nos

Lung

Necrosis, Nos
Congestion, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung

Tubule

Degeneration, Nos
Necrosis, Nos
Congestion, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_003

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Hemorrhage

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos
Inflammation, Nos
Inflammation, Nos

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_008

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver

Congestion, Nos

Lung

Congestion, Nos

Hyperplasia, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_010

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Cyst, Nos
Liver		Amyloidosis
	Bile Duct	Cyst, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
Spleen		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Degeneration, Nos
	Tubule	Necrosis, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hemosiderosis
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_014

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos Emphysema, Nos
Bronchus	Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_015

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Hemorrhage

Hyperplasia, Atypical

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Tubule
Alveolar Epithelium

Degeneration, Nos
Cell-Shape Alteration
Congestion, Nos
Edema, Nos
Emphysema, Nos
Hyperplasia, Nos

Spleen

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx	Inflammation, Nos
Liver	Perivasculitis
Lung	Congestion, Nos
	Edema, Nos
	Hyperplasia, Nos
	Inflammation, Nos
Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_018

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Hyperplasia, Epithelial Hyperplasia, Nos
		Inflammation, Focal
Lymph node	Inguinal Lymph Node	Hyperplasia, Nos
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung		Fibrosis
		Inflammation, Nos
Lymph node	Hilar Lymph Node	Lymphoma, Nos-Malignant
Unspecified	Multiple Organs Nos	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Cyst, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Alveoli	Hypertrophy, Nos
Spleen	Bronchus	Inflammation, Nos
		Amyloidosis
		Fibrosis
		Hyperplasia, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_021

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Cyst, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Liver		Amyloidosis
		Fibrosis
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung		Congestion, Nos
		Emphysema, Nos
	Bronchus	Inflammation, Nos
Lymph node	Inguinal Lymph Node	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis Congestion, Nos Fibrosis
	Portal Tract	Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Lung		Congestion, Nos Emphysema, Nos
Spleen		Hyperplasia, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
	Alveoli	Hypertrophy, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_029

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Larynx

Lung

Trachea

Inflammation, Nos

Congestion, Nos

Hemorrhage

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Congestion, Nos
Stomach		Hyperkeratosis
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Tubule

Degeneration, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchiole

Congestion, Nos
Distention
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung

Tubule

Degeneration, Nos
Congestion, Nos
Congestion, Nos
Emphysema, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Emphysema, Nos Inflammation, Focal
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Emphysema, Nos

Hemorrhage

Lymph node

Inguinal Lymph Node

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Hyperplasia, Epithelial
		Metaplasia, Broncho-Alveolar
	Bronchus	Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_041

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Necrosis, Nos
Lung		Congestion, Nos
		Hyperplasia, Nos
	Alveoli	Hypertrophy, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_042

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
	Portal Tract	Lymphocytic Inflammatory Infiltrate
Lung		Congestion, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_043

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Congestion, Nos
	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node	Submandibular Lymph Node	Hyperplasia, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_044

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Hemosiderosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_046

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Chromium
CAS Number: 7440-47-3

Date Report Requested: 10/26/2014
Time Report Requested: 13:45:58
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_047

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung

Cortex Nos
Tubule

Hyperplasia, Nos
Degeneration, Nos
Congestion, Nos
Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_049

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Necrosis, Nos
Larynx		Lymphocytic Inflammatory Infiltrate
Liver		Amyloidosis
		Necrosis, Nos
Lung		Congestion, Nos
		Emphysema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Amyloidosis
Stomach		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548

Test Type: Long-Term

Route: Inhalation

Species/Strain: Hamsters/Syrian Golden

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Chromium

CAS Number: 7440-47-3

Date Report Requested: 10/26/2014

Time Report Requested: 13:45:58

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_050

TRT#: 2

DOSE: 0

SEX: Male

DISP: Natural Death

DAY ON TEST:

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE