

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Fibrosis
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos
Lymph node	Innominate Lymph Node	Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

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Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Larynx		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Lymph node	Innominate Lymph Node	Hyperplasia, Nos
Trachea		Hyperplasia, Nos
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Congestion, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Cast, Nos
Degeneration, Nos

Liver

Congestion, Nos

Lung

Necrosis, Nos

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Lymph node

Innominate Lymph Node

Hyperplasia, Nos

Innominate Lymph Node

Inflammation, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Bronchus

Nephrosis, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Fibrosis
Inflammation, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung		Emphysema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node		Hyperplasia, Nos
Skin		Abscess, Nos
Trachea		Inflammation, Nos
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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: Moribund Sacrifice

HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Nos
Lung		Emphysema, Nos
	Alveoli	Foam-Cell
		Hemorrhage
	Bronchus	Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Necrosis, Nos
Lymph node		Hyperplasia, Nos
		Metamorphosis, Fatty
Trachea		Hyperplasia, Nos
		Inflammation, Nos
Unspecified	Multiple Organs Nos	Congestion, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_009

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Congestion, Nos Nephrosis, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos Congestion, Nos
	Alveoli	Foam-Cell Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Chest	Fibroma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Fibrosis
		Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
		Inflammation, Nos
Lymph node		Hyperplasia, Nos
		Necrosis, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_011

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
		Metaplasia, Squamous
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
	Pleura Nos	Hypertrophy, Nos
		Inflammation, Focal
Lymph node		Necrosis, Nos
		Hyperplasia, Nos
Trachea		Necrosis, Nos
Unspecified	Chest	Hyperplasia, Nos
		Fibroma

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_012

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Congestion, Nos Degeneration, Nos
Larynx		Hyperplasia, Nos Inflammation, Nos
Liver		Amyloidosis Congestion, Nos
Lung	Periportal Bronchus	Lymphocytic Inflammatory Infiltrate Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos Inflammation, Nos Necrosis, Nos
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx
Lung

Bronchus

Bronchus

Inflammation, Nos
Abscess, Nos
Bronchiectasis
Congestion, Nos
Fibrosis
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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

Lung

Congestion, Nos
Edema, Nos
Inflammation, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Nos
		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_018

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Granuloma, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
		Granuloma, Nos
		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Granuloma, Nos
		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Periportal	Angiectasis Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Lung	Bronchus	Abscess, Nos Alveolar/Bronchiolar Adenoma Bronchiectasis Emphysema, Nos Hyperplasia, Nos Inflammation, Nos Necrosis, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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: Moribund Sacrifice

HISTO:

OBSERVATIONS

Liver		Congestion, Nos Lymphocytic Inflammatory Infiltrate Metamorphosis, Fatty Necrosis, Central Necrosis, Nos
Lung	Pleura Nos	Inflammation, Nos Necrosis, Nos
Spleen		Inflammation, Nos
Trachea		Lymphoma, Nos-Malignant
Unspecified	Multiple Organs Nos	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Congestion, Nos Fibrosis
	Bile Duct	Hyperplasia, Nos Inflammation, Acute Pustular
Lung	Periportal Bronchus	Lymphocytic Inflammatory Infiltrate Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hyperplasia, Nos
Lymph node	Pretracheal Lymph Node	Inflammation, Focal Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney
Lung

Inflammation, Nos
Abscess, Nos
Congestion, Nos
Granuloma, Nos
Hyperplasia, Nos

Skin

Head Nos

Inflammation, Nos

Adenoma, Nos

Spleen

Necrosis, Fibrinoid

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_025

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos Emphysema, Nos Granuloma, Nos Inflammation, Interstitial
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PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Necrosis, Central
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
Lymph node	Pretracheal Lymph Node	Congestion, Nos
	Pretracheal Lymph Node	Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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

Brain	Meninges	Inflammation, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

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Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

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
Lung

Bronchus

Congestion, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos

Trachea

Bronchus

Granuloma, Nos
Hyperplasia, Atypical
Inflammation, Nos
Necrosis, Nos
Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_029

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Lung	Bronchus	Abscess, Nos
		Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
	Alveoli	Foam-Cell
		Granuloma, Nos
		Hemorrhage
		Hyperplasia, Nos
	Pleura Nos	Hypertrophy, Nos
		Inflammation, Nos
	Bronchus	Necrosis, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
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

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Granuloma, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_031

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos Fibrosis Granuloma, Nos Hyperplasia, Nos
Trachea	Bronchus	Necrosis, Nos Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_032

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Bronchus

Inflammation, Nos
Bronchiectasis
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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, Nos
Congestion, Nos
Edema, Nos
Fibrosis
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Lymph node		Hyperplasia, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_035

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:08
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_036

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Degeneration, Muroid
		Hyperplasia, Nos
		Inflammation, Nos
Spleen		Fibrosis
		Hemosiderosis
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver		Angiectasis Congestion, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos
Unspecified	Bronchus Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Lymph node		Hyperplasia, Nos
Spleen		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_039

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		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Granuloma, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Lymph node	Pretracheal Lymph Node	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_040

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
	Alveoli	Foam-Cell
		Granuloma, Nos
		Inflammation, Focal
	Bronchus	Inflammation, Nos
		Necrosis, Nos
Unspecified	Multiple Organs Nos	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_041

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Atypical
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Necrosis, Nos
		Necrosis, Nos
Lymph node	Pretracheal Lymph Node	Hyperplasia, Nos
	Pretracheal Lymph Node	Necrosis, Nos
Trachea		Hyperplasia, Atypical
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver	Periportal	Congestion, Nos Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Lung		Congestion, Nos Edema, Nos Fibrosis Hemorrhage
Lymph node	Pretracheal Lymph Node Pretracheal Lymph Node	Hyperplasia, Nos Necrosis, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_043

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Tubule

Bronchus

Degeneration, Nos
Abscess, Nos
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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Sclerosis

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx		Hyperplasia, Neutrophilic Hyperplasia, Nos Inflammation, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Granuloma, Nos Hyperplasia, Nos Inflammation, Focal
Trachea	Bronchus	Inflammation, Nos Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_047

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Bone	Sphenoid And Ethmoid Bones	Squamous Cell Carcinoma, Invasive
Larynx		Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Nasal cavity		Squamous Cell Carcinoma
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_049

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_051

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
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
Lymph node	Pretracheal Lymph Node	Hyperplasia, Nos
	Pretracheal Lymph Node	Necrosis, Nos
Spleen		Congestion, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_052

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Stomach

Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_053

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Degeneration, Muroid
		Edema, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_054

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
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Congestion, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx		Hyperplasia, Atypical Inflammation, Nos
Lung	Bronchus	Bronchiectasis Edema, Nos Granuloma, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos
Trachea		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_056

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_057

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos Inflammation, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Fibrosis Hemorrhage Hyperplasia, Nos Inflammation, Nos
Lymph node	Pretracheal Lymph Node	Hemorrhage
	Pretracheal Lymph Node	Hyperplasia, Lymphoid
	Pretracheal Lymph Node	Necrosis, Nos
Trachea		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_058

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Skin		Hyperkeratosis

PRIMARY CAUSE OF DEATH -

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_059

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, Nos
Congestion, Nos
Edema, Nos
Hyperplasia, Nos
Inflammation, Nos
Hyperplasia, Nos
Necrosis, Nos

Lymph node

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_060

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Bronchus

Congestion, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx		Inflammation, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified		Abscess, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver
Lung

Amyloidosis
Congestion, Nos
Fibrosis
Hemorrhage
Inflammation, Nos
Inflammation, Nos
Hyperplasia, Nos
Amyloidosis

Bronchus

Lymph node
Spleen

Pretracheal Lymph Node

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver		Congestion, Nos
Lung		Congestion, Nos
		Foam-Cell
		Granuloma, Nos
		Hyperplasia, Atypical
		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_065

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Atypical
		Metaplasia, Squamous
Liver		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Atypical
		Hyperplasia, Nos
		Inflammation, Nos
		Necrosis, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_066

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_067

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Bronchus

Congestion, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Granuloma, Nos
Hyperplasia, Nos
Inflammation, Nos
Hemorrhage
Necrosis, Nos

Unspecified

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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
Lung

Tubule
Bronchus

Degeneration, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Fibrosis
Granuloma, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Inflammation, 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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_070

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
	Periportal	Lymphocytic Inflammatory Infiltrate
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_071

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung	Bronchus	Abscess, Nos
		Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_072

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Lung

Bronchus

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

Bronchus

Spleen
Trachea

Inflammation, Nos
Necrosis, Nos
Hyperplasia, Nos
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_073

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Calcinosis, Nos

Lung

Inflammation, Nos

Congestion, Nos

Edema, Nos

Emphysema, Nos

Fibrosis

Inflammation, Nos

Nasal cavity

Adenoma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_074

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Pericardium Nos	Degeneration, Nos
Kidney		Inflammation, Interstitial
Liver		Fibrosis
	Periportal	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Congestion, Nos
	Leg	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_075

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Nos
Larynx	Inflammation, Nos
Liver	Congestion, Nos
Lung	Congestion, Nos
	Edema, Nos
	Hyperplasia, Nos
	Inflammation, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Kidney		Inflammation, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
Lymph node		Inflammation, Nos Hyperplasia, Nos Necrosis, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Neck	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_077

TRT#: 1
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Hyperplasia, Nos
		Inflammation, Nos
		Metaplasia, Squamous
Liver		Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Nasal cavity		Adenoma, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver
Lung

Bronchus

Congestion, Nos
Abscess, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Hyperplasia, Nos
Inflammation, Nos
Hyperplasia, Nos

Lymph node

Pretracheal Lymph Node

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx
Lung

Bronchus

Inflammation, Nos
Abscess, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Congestion, Nos
		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Kidney
Lung

Bronchus

Congestion, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Skin		Trichoepithelioma
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx
Lung

Bronchus

Trachea

Inflammation, Nos
Abscess, Nos
Bronchiectasis
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Atypical
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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 Edema, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver	Bile Duct	Cyst, Nos Perivasculitis
Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Atypical
Trachea		Hyperplasia, Atypical Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Metamorphosis, Fatty
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Nos
		Necrosis, Nos
Lymph node		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Nos
		Metaplasia, Broncho-Alveolar
		Necrosis, Nos
Trachea		Hyperplasia, Atypical
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos Perivasculitis
Lung		Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos Inflammation, Nos Sclerosis
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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			
Liver	Portal Tract	Hypertrophy, Nos Perivasculitis	
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage	
Lymph node Unspecified	Bronchus Pretracheal Lymph Node Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Inflammation, Nos	
<hr/> PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Atypical
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Perivascularitis
Trachea		Hyperplasia, Nos
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Abscess, Nos
		Bronchiectasis
		Congestion, Nos
		Hemorrhage
Lymph node		Inflammation, Nos
Trachea	Peritracheal Tissue	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Nos
Lymph node	Bronchus Hilar Lymph Node Pretracheal Lymph Node	Lymphocytic Inflammatory Infiltrate Dilatation, Nos Dilatation, Nos
Trachea		Hyperplasia, Atypical
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx
Lung

Bronchus

Lymph node

Hilar Lymph Node

Inflammation, Nos
Abscess, Nos
Bronchiectasis
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, 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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver		Amyloidosis
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
		Perivasculitis
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Fibrosis
	Alveoli	Foam-Cell
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Focal
		Necrosis, Nos
Lymph node	Pretracheal Lymph Node	Hyperplasia, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx
Lung

Bronchus

Hyperplasia, Nos
Bronchiectasis
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Inflammation, Focal
Inflammation, Nos
Trichoepithelioma

Unspecified

Bronchus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx		Inflammation, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung

Bronchus

Bronchus

Abscess, Nos
Bronchiectasis
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Congestion, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Liver		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
Skin	Dermis	Degeneration, Nos
Trachea		Hyperplasia, Polypoid
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Lung	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
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

Larynx
Lung

Bronchus

Bronchus

Hyperplasia, Nos
Bronchiectasis
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx	Laryngeal Gland	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Atypical
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Angiectasis
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hemorrhage
		Hyperplasia, Nos
		Necrosis, Nos
Lymph node	Axillary Lymph Node	Hyperplasia, Nos
Spleen		Hyperplasia, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Perivasculitis
Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Edema, Nos Fibrosis
Spleen	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Liver		Degeneration, Hydropic
Lung		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
	Bronchus	Inflammation, 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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004	TRT#: 3 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney Liver	Tubule	Degeneration, Nos Congestion, Nos Lymphocytic Inflammatory Infiltrate	
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hyperplasia, Nos	
Trachea		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Liver		Congestion, Nos
		Fibrosis
		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node		Necrosis, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011	TRT#: 3 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Lung	Bronchus	Bronchiectasis	
	Bronchiole	Congestion, Nos Distention Emphysema, Nos Hemorrhage Hyperplasia, Nos	
	Bronchus	Inflammation, Nos	
	Pleura Nos	Inflammation, Nos	
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos	
Spleen			
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, Nos
Congestion, Nos
Edema, Nos
Hyperplasia, Nos
Angiectasis
Congestion, Nos

Spleen

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos Hyperplasia, Papillary
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Inflammation, Nos
Unspecified	Leg	Lymphocytic Inflammatory Infiltrate
		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Congestion, Nos Fibrosis
Stomach		Papilloma, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Hyaline
	Tubule	Degeneration, Nos
Larynx		Inflammation, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Spleen		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_022

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
Lymph node	Lymphatics Of Liver And Gall Bladder	Lymphangiectasis
	Lymphatics Of Lung	Lymphangiectasis
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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_024

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_025

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos Inflammation, Nos
Lymph node	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Lymphatics Of Lung	Lymphangiectasis
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Nos
Liver	Congestion, Nos
	Lymphocytic Inflammatory Infiltrate
	Metamorphosis, Fatty
Lung	Congestion, Nos
	Edema, Nos
	Fibrosis
	Hemorrhage
Spleen	Inflammation, Nos
Trachea	Hyperplasia, Nos
	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Hyaline
	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Sclerosis
Lymph node		Hyperplasia, Nos
Spleen		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_028

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

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

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos
Fibrosis
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_030

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Cyst, Nos Inflammation, Interstitial
Liver		Congestion, Nos Metamorphosis, Fatty
Lung		Congestion, Nos Edema, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland

Necrosis, Nos
Pheochromocytoma

Kidney

Tubule
Tubule

Cast, Nos
Degeneration, Nos

Larynx

Inflammation, Nos

Liver

Congestion, Nos

Lung

Edema, Nos
Emphysema, Nos
Hemorrhage

Trachea

Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Pyelonephritis, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Amyloidosis
		Congestion, Nos
Trachea		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_033

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Fibrosis
		Metamorphosis, Fatty
		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Spleen		Hyperplasia, Nos
Trachea		Inflammation, Nos
Unspecified	Leg	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_034

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
Lymph node	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos Angiectasis
Trachea		Congestion, Nos Hyperplasia, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Lung

Cortex Nos

Hyperplasia, Nos
Congestion, Nos
Edema, Nos
Fibrosis
Hemorrhage

Lymph node

Bronchus

Lymphocytic Inflammatory Infiltrate
Dilatation, Nos
Necrosis, Nos

Trachea
Unspecified

Multiple Organs Nos

Lymphocytic Inflammatory Infiltrate
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_036

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart

Fibrosis
Inflammation, Nos

Liver

Amyloidosis
Congestion, Nos
Necrosis, Nos

Lung

Abscess, Nos
Congestion, Nos
Edema, Nos
Emphysema, Nos

Pleura Nos

Fibrosis
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_038

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Tubule
Bronchus

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Larynx		Inflammation, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Amyloidosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, 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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_042

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos Congestion, Nos Edema, Nos Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos Necrosis, Nos
Lymph node		Hyperplasia, Nos Necrosis, Nos
Spleen		Hyperplasia, Nos
Trachea		Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_043

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos
	Abdomen	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_044

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Inflammation, Interstitial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_045

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Atypical
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Hyperplasia, Atypical
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, 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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_047

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Congestion, Nos
Spleen		
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_048

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
Lymph node	Lymphatics Of Liver And Gall Bladder	Lymphangiectasis
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: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_049

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Amyloidosis Congestion, Nos Necrosis, Nos
Lung		Inflammation, Interstitial Lymphocytic Inflammatory Infiltrate
Spleen	Bronchus	Necrosis, Nos
Unspecified	Leg	Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_051	TRT#: 3 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Kidney	Tubule	Degeneration, Nos	
Liver		Congestion, Nos	
		Lymphocytic Inflammatory Infiltrate	
Lung		Abscess, Nos	
		Congestion, Nos	
		Edema, Nos	
		Hemorrhage	
	Bronchus	Inflammation, Nos	
		Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
		Necrosis, Nos	
Spleen		Angiectasis	
Trachea		Inflammation, Nos	
Unspecified	Leg	Fibrosis	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_052

TRT#: 3
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveoli

Hypertrophy, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_053

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis Congestion, Nos Lymphocytic Inflammatory Infiltrate Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos
Spleen		Papilloma, Nos
Stomach		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_054

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_057

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Nos Necrosis, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Fibrosis
	Bronchus	Hyperplasia, Nos Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_058

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_059

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node	Lymphatics Of Liver And Gall Bladder	Lymphangiectasis
Spleen		Lymphoma, Nos-Malignant
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_060

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Tubule

Degeneration, Nos
Abscess, Nos
Atelectasis
Emphysema, Nos
Fibroma
Hemorrhage
Hyperplasia, Nos
Congestion, Nos
Inflammation, Nos

Spleen
Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_061

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	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: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_064	TRT#: 3 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Kidney	Tubule	Degeneration, Nos	
Larynx		Inflammation, Nos	
Liver		Congestion, Nos	
		Fibrosis	
		Metamorphosis, Fatty	
Lung	Bronchus	Bronchiectasis	
		Congestion, Nos	
		Edema, Nos	
		Emphysema, Nos	
		Fibrosis	
		Hemorrhage	
		Inflammation, Nos	
Spleen	Bronchus	Lymphocytic Inflammatory Infiltrate	
		Angiectasis	
		Congestion, Nos	
Trachea		Inflammation, Nos	
		Lymphocytic Inflammatory Infiltrate	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_065

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Glomerulus	Atrophy, Nos
	Tubule	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Hyperplasia, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_066

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Liver		Congestion, Nos
		Lymphocytic Inflammatory Infiltrate
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_067

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, Nos
Congestion, Nos
Emphysema, Nos
Fibrosis
Hyperplasia, Nos
Inflammation, Nos
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_068

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Fibrosis
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_070

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Hyaline
	Tubule	Degeneration, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_071

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Glomerulonephritis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
Lymph node		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_073

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Pyelonephritis, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_075

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Amyloidosis
Testis	Scrotum Nos	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_076

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Congestion, Nos
		Edema, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis
Spleen		Congestion, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_077

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Inflammation, Nos
Spleen		Hyperplasia, Lymphoid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_078

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Emphysema, Nos
		Inflammation, Nos
		Inflammation, Nos
Unspecified	Bronchus	Lymphocytic Inflammatory Infiltrate
	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_079

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_080

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Amyloidosis
		Necrosis, Nos
Liver		Amyloidosis
		Necrosis, Nos
Lung		Congestion, Nos
		Emphysema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Amyloidosis
Unspecified	Leg	Fibroma
	Leg	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_081

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_082

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Hyaline
	Tubule	Degeneration, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_084

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Atypical
Liver		Congestion, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Emphysema, Nos
		Fibrosis
Unspecified	Bronchus	Lymphocytic Inflammatory Infiltrate
	Multiple Organs Nos	Inflammation, Nos
	Axilla	Lipomatosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_087

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Emphysema, Nos
Fibrosis
Hemorrhage

Bronchus

Inflammation, Nos
Inflammation, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_088

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
		Necrosis, Nos
Lung		Alveolar/Bronchiolar Adenoma
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Osseous
Spleen		Amyloidosis
		Hemorrhage
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_090

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Congestion, Nos
		Fibrosis
Trachea		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_091

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos
		Congestion, Nos
		Fibrosis
	Bronchus	Hemorrhage
		Inflammation, Nos
		Inflammation, Nos
Stomach	Bronchus	Lymphocytic Inflammatory Infiltrate
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_092

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Tubule
Tubule

Cast, Nos
Degeneration, Nos
Abscess, Nos

Lung

Bronchus

Bronchiectasis
Emphysema, Nos
Fibrosis

Bronchus

Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_095

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis
	Pleura Nos	Inflammation, Nos Inflammation, Nos
Lymph node	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphangiectasis
Spleen	Hilar Lymph Node	Necrosis, Nos Congestion, Nos

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_097

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Amyloidosis Congestion, Nos Necrosis, Nos
Lung		Congestion, Nos Edema, Nos Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate Amyloidosis
Spleen		Hyperplasia, Nos
Stomach		Inflammation, Nos
Unspecified	Multiple Organs Nos	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_099

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C08548
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

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

Date Report Requested: 10/26/2014
Time Report Requested: 15:39:09
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_100

TRT#: 3
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****