

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

C Number:	C00691
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Interstitial
Larynx	Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Lung	Edema, Nos
Trachea	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_008

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Congestion, Nos
Kidney		Abscess, Nos
Liver		Congestion, Nos
		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
		Calcification, Nos
		Inflammation, Necrotizing
Peritoneum	Peritoneal Cavity Nos	Adhesion, Nos
		Inflammation, Nos
Unspecified	Mediastinum Nos	Inflammation, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_009

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos
	Tubule	Cast, Nos
	Tubule	Dilatation, Nos
Larynx		Hyperplasia, Atypical
Lung	Bronchus	Abscess, Nos
		Atelectasis
	Bronchus	Bronchiectasis
	Alveoli	Fibrosis
		Hyperplasia, Nos
	Alveoli	Hypertrophy, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Sclerosis
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 015.4 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos Lymphoma, Nos-Malignant Metaplasia, Nos
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Lymphoma, Histiocytic-Malignant Type
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart		Thrombosis, Nos
Kidney		Pyelonephritis, Chronic
Liver		Congestion, Nos
		Necrosis, Focal
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Emphysema, Nos
		Fibrosis, Diffuse
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Lymphocytic Inflammatory Infiltrate
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_007

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Focal Lymphocytic Inflammatory Infiltrate
Larynx		Lymphocytic Inflammatory Infiltrate
Liver		Congestion, Nos
Lung	Bronchus	Abscess, Nos Adhesion, Nos
	Bronchus	Bronchiectasis Emphysema, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Calcification, Nos
Larynx		Hyperplasia, Atypical
		Lymphocytic Inflammatory Infiltrate
Liver		Cytoplasmic Vacuolization
	Hepatic Sinusoid	Distention
Lung	Bronchus	Bronchiectasis
	Alveoli	Edema, Nos
	Bronchiole	Fibrosis
		Hyperplasia, Nos
		Inflammation, Focal
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Metaplasia, Squamous
		Hyperplasia, Atypical
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Abscess, Nos Bacterial Septicemia Hyperplasia, Papillary
Liver	Kupffer Cell Portal Tract	Hyperplasia, Nos Inflammation, Nos Abscess, Nos
Lung	Bronchus	Inflammation, Focal Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos Inflammation, Interstitial
Liver	Hepatic Sinusoid	Congestion, Nos
Lung		Congestion, Nos Hemorrhage Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
	Bronchus	Emphysema, Nos
		Inflammation, Nos
		Inflammation, Nos
Unspecified	Abdomen	Lymphoma, Nos-Malignant
		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_014

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH -

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Respiratory Bronchiole	Lymphocytic Inflammatory Infiltrate
	Alveoli	Lymphocytic Inflammatory Infiltrate Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Respiratory Bronchiole	Lymphocytic Inflammatory Infiltrate
	Alveoli	Lymphocytic Inflammatory Infiltrate Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Alveoli	Edema, Nos
	Bronchiole	Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_018

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Atelectasis Bronchiectasis Congestion, Nos Edema, Nos Fibrosis Hyperplasia, Nos
Unspecified	Bronchus Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Lung	Bronchus Bronchiole	Bronchiectasis Fibrosis Hyperplasia, Nos Inflammation, Focal
	Bronchus Bronchiole	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Pleura Nos

Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos
Inflammation, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx	Inflammation, Focal
Lung	Edema, Nos
	Emphysema, Nos
Bronchus	Lymphocytic Inflammatory Infiltrate
	Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Fibroma Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Lymphocytic Inflammatory Infiltrate
Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveoli	Edema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Alveoli	Obliteration, Fibrous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:51
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule Glomerulus Tubule	Atrophy, Nos Cyst, Nos Degeneration, Hyaline Dilatation, Nos Fibrosis Inflammation, Interstitial
Lung	Bronchus Bronchus	Bronchiectasis Congestion, Nos Fibrosis Hemorrhage Inflammation, Granulomatous Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Emphysema, Nos Lymphocytic Inflammatory Infiltrate
Trachea	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Fibrosis, Diffuse Inflammation, Interstitial
Lung	Bronchus	Bronchiectasis Congestion, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_033

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Emphysema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_036

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
		Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos Degeneration, Hyaline Dilatation, Nos Inflammation, Interstitial
Larynx		Adenocarcinoma, Nos
Liver		Cytoplasmic Vacuolization Lymphangioma
Lung	Bronchus	Bronchiectasis Calcification, Nos Fibrosis Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Congestion, Nos
Larynx		Hyperplasia, Nos
Liver		Congestion, Nos
Lung		Atypia, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Fibrosis
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Cyst, Nos
Liver		Cirrhosis, Nos
Lung	Alveoli	Foam-Cell
		Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Hemorrhage
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Edema, Nos Edema, Nos Inflammation, Focal
Unspecified	Bronchus Mediastinum Nos	Lymphocytic Inflammatory Infiltrate Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_006

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Bronchus	Fibrosis
	Alveoli	Foam-Cell
	Alveoli	Granuloma, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Chest	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Chronic
Liver		Congestion, Nos
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Congestion, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_010	TRT#: 3 DOSE: 005.0 MG/M3	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Kidney	Tubule Tubule	Cast, Nos Dilatation, Nos Necrosis, Nos Necrosis, Nos	
Liver		Bronchiectasis	
Lung	Bronchus	Edema, Nos Inflammation, Focal	
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous	
Trachea			
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
	Bronchus	Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Cell-Shape Alteration Congestion, Nos Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Emphysema, Nos
	Alveoli	Foam-Cell
		Inflammation, Nos
		Leukocytosis, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Lymphocytic Inflammatory Infiltrate
------	----------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx	Lymphocytic Inflammatory Infiltrate
Lung	Congestion, Nos
	Emphysema, Centrilobular
	Hyperplasia, Nos
	Inflammation, Focal
Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Abscess, Nos Lymphoma, Nos-Malignant Metaplasia, Squamous
------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration
	Alveoli	Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Pneumonia, Lipid
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020

TRT#: 3
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Bile Duct	Dilatation, Nos Leukocytosis, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_001

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
------	------------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_002

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis Emphysema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_003

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_004

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_005

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Hemorrhage

Inflammation, Nos

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_006

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Lung

Amyloidosis
Congestion, Nos
Edema, Nos
Emphysema, Centrilobular
Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_007

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx

Hyperplasia, Nos

Lung

Inflammation, Nos

Trachea

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_008

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Cell-Shape Alteration
Lung		Atelectasis
	Bronchus	Dilatation, Nos
		Fibrosis, Diffuse
		Fibrosis, Diffuse
		Infarct, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_009

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Edema, Nos Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_010

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Metaplasia, Squamous
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
		Inflammation, Acute
		Inflammation, Chronic
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_011

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

Peritracheal Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_012

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Bronchiectasis Congestion, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate
Lymph node	Mediastinal Lymph Node Mediastinal Lymph Node Mediastinal Lymph Node	Congestion, Nos Hypertrophy, Nos Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_013

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Trachea

Peritracheal Tissue

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_014

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos Bronchus	Inflammation, Necrotizing Inflammation, Nos Inflammation, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_015

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung		Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_016

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Emphysema, Nos
Fibrosis
Hemorrhage
Inflammation, Necrotizing
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_017

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Nos
		Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_018

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Edema, Nos Hemorrhage Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_019

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos
	Tubule	Cast, Nos
		Dilatation, Nos
		Inflammation, Interstitial
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Centrilobular
		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_020

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Leukemia, Nos
Spleen		Necrosis, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_021

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Emphysema, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_022

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 002.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_023

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Chronic
Liver		Atrophy, Nos
		Congestion, Nos
		Necrosis, Nos
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_024

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Degeneration, Muroid
	Alveoli	Foam-Cell Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_025

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule Tubule	Cast, Nos Dilatation, Nos Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Liver		Bronchiectasis
Lung	Bronchus Alveoli Bronchus	Edema, Nos Fibrosis Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_026

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Congestion, Nos
Liver		Congestion, Nos
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hemorrhage
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_027

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver	Centrilobular	Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_028

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung		Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_029

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Interstitial
Lung	Lymphocytic Inflammatory Infiltrate
Trachea	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_030

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos Congestion, Nos
Liver	Tubule	Dilatation, Nos Congestion, Nos Necrosis, Nos
Lung	Bronchus	Bronchiectasis Emphysema, Nos Fibrosis Fibrosis, Diffuse Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_031

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_032

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Chronic
Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_033

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_034

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Congestion, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_035

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos Lymphoma, Histiocytic-Malignant Type Metaplasia, Broncho-Alveolar
Trachea		Metaplasia, Squamous Hyperplasia, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_036

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_037

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver
Lung

Gastrointestinal Tract

Neoplasm, Malignant, Nos
Necrosis, Nos
Necrosis, Nos
Congestion, Nos
Edema, Nos
Emphysema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Neoplasm, Malignant, Nos
Necrosis, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_038

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Squamous Cell Carcinoma
	Cartilage	Squamous Cell Carcinoma, Invasive
Liver		Hepatocellular Adenoma
Lung		Edema, Nos
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Necrotizing
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_039

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Nodule
Trachea	Peritracheal Tissue	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_040

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Hemosiderosis Inflammation, Nos
Liver		Cyst, Nos
Lung	Bronchus	Bronchiectasis Cytomegaly Fibrosis Hyperplasia, Nos Inflammation, Chronic
	Bronchus	Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Metaplasia, Broncho-Alveolar Perivasculitis
Unspecified	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_041

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_042

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis Collapse Congestion, Nos
	Alveoli	Edema, Nos Emphysema, Nos
	Alveoli	Foam-Cell Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_043

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_044

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos Inflammation, Interstitial Pyelonephritis, Nos
Liver		Congestion, Nos Necrosis, Ischemic
Lung	Bronchus	Atelectasis Bronchiectasis Congestion, Nos
	Bronchus	Fibrosis Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
Spleen		Congestion, Nos Fibrosis
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_045

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
Trachea	Peritracheal Tissue	Inflammation, Acute Inflammation, Nos
Unspecified	Connective Tissue Nos	Fibrosis
	Connective Tissue Nos	Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_046

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung

Pelvis

Dilatation, Nos
Congestion, Nos
Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_047

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Fibrosis
		Inflammation, Interstitial
Larynx		Hyperplasia, Nos
		Inflammation, Nos
Liver		Necrosis, Nos
Lung		Atelectasis
		Fibrosis
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Fibrosis
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_048

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

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

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_049

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Chronic
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_050

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Focal
Lung		Edema, Nos
		Emphysema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Necrosis, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_051

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Interstitial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_052

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
		Lymphoma, Histiocytic-Malignant Type
		Pneumonia, Lipid

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_053

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_054

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Interstitial
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_055

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Emphysema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute Focal
	Bronchus	Inflammation, Chronic Focal
		Inflammation, Nos
Spleen		Congestion, Nos
Trachea		Inflammation, Nos
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_056

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Inflammation, Interstitial
Liver	Congestion, Nos
Lung	Hemorrhage
	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_057

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
		Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_058

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Lymphocytic Inflammatory Infiltrate
Liver	Portal Tract	Lymphocytic Inflammatory Infiltrate Necrosis, Focal
Lung	Bronchus	Bronchiectasis Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_059

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Degeneration, Muroid
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_060

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Lymph node	Mediastinal Lymph Node	Hypertrophy, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_061

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Necrosis, Nos
Congestion, Nos
Edema, Nos
Emphysema, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_062

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_063

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Emphysema, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_064

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Degeneration, Muroid Hemorrhage Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_066

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Tubule

Atrophy, Nos
Dilatation, Nos
Inflammation, Nos

Lung

Alveoli
Alveoli
Bronchus
Alveoli

Edema, Nos
Foam-Cell
Inflammation, Nos
Inflammation, Nos
Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_067

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_068

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_069

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Congestion, Nos
Liver		Congestion, Nos
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_070

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
------	----------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_071

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Alveoli	Edema, Nos
	Alveoli	Emphysema, Nos
	Bronchus	Foam-Cell
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_072

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_073

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 002.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_074

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos Congestion, Nos Lymphocytic Inflammatory Infiltrate
Larynx		Inflammation, Acute Inflammation, Chronic Metaplasia, Squamous
Liver		Atelectasis Congestion, Nos
Lung	Bronchus	Congestion, Nos Fibrosis Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_075

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos
	Edema, Nos
Pleura Nos	Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_076

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_077

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Adhesion, Nos
		Congestion, Nos
		Edema, Nos
	Alveoli	Foam-Cell
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_078	TRT#: 4 DOSE: 002.0 MG/M3	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Lung	Alveoli	Foam-Cell Inflammation, Interstitial	
	Pleura Nos	Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate	
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate	
Unspecified	Diaphragm Nos	Inflammation, Necrotizing	
<hr/> PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_079

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Congestion, Nos
	Pleura Nos	Edema, Nos
	Bronchus	Inflammation, Necrotizing
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_080

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_081

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
------	----------	-------------------------------------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_082

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_083

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos Congestion, Nos
	Tubule	Dilatation, Nos Inflammation, Interstitial Congestion, Nos
Liver		Atelectasis
Lung	Bronchus	Bronchiectasis Fibrosis Hyperplasia, Nos Metaplasia, Broncho-Alveolar Metaplasia, Squamous
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_084

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Lung		Metaplasia, Squamous Congestion, Nos Edema, Nos Emphysema, Nos
	Alveoli	Foam-Cell Granuloma, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_085

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Chronic
Liver		Hepatocellular Adenoma
Lung		Atelectasis
	Bronchus	Atypia, Nos
		Bronchiectasis
		Congestion, Nos
		Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate
Spleen		Congestion, Nos
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_086

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_087

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx
Lung

Bronchus

Inflammation, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Emphysema, Nos
Fibrosis
Inflammation, Nos
Metaplasia, Broncho-Alveolar
Inflammation, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_088

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Nos Sclerosis Squamous Cell Carcinoma
Unspecified	Leg	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_089

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Cell-Shape Alteration
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_090

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_091

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Pyelonephritis, Acute
Lung		Adhesion, Nos
	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Degeneration, Muroid
		Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_092

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung		Congestion, Nos
		Edema, Nos
	Bronchiole	Inflammation, Obliterative
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_093

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 002.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney
Lung

Hemorrhage
Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_094

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos

Edema, Interstitial
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_095

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Atelectasis
Cytomegaly
Fibrosis, Diffuse
Hyperplasia, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Broncho-Alveolar
Necrosis, Nos

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_096

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos
	Alveoli	Foam-Cell Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Metaplasia, Osseous Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_097

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_098

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Calcification, Nos Degeneration, Muroid Inflammation, Necrotizing Keratin-Pearl Formation
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Sclerosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_099

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos Fibrosis
	Bronchus Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Pneumonia, Lipid
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_100

TRT#: 4
DOSE: 002.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Edema, Nos
	Bronchus	Foam-Cell
		Lymphocytic Inflammatory Infiltrate
		Sclerosis
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_001

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Hemorrhage

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_002

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Hyperplasia, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_003

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_004

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos Edema, Nos Lymphocytic Inflammatory Infiltrate
------	--

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_005

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Hemorrhage Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_006

TRT#: 5

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos
Hyperplasia, Atypical
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_007

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_008

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Degeneration, Muroid
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_009

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos
	Edema, Nos
Bronchus	Lymphocytic Inflammatory Infiltrate
	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_010

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Cell-Shape Alteration Congestion, Nos Degeneration, Muroid Hemorrhage Inflammation, Focal
	Bronchiole	Inflammation, Granulomatous
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Mononuclear Giant-Cell
Trachea		Degeneration, Muroid Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_011

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_012

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_013

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_014

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_015

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_016

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_017

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_018

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_019

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_020

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_021

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_022

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_023

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Atypical

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_024

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_025

TRT#: 5
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_001

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_002

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hyperplasia, Alveolar Epithelium
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_003

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_004

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Emphysema, Nos

Hemorrhage

Trachea

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_005

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Congestion, Nos
Trachea	Edema, Nos
	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_006

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Foam-Cell
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_007

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
		Keratin-Pearl Formation
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_008

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveoli

Emphysema, Nos
Foam-Cell
Granuloma, Nos
Leukocytosis, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_009

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_010

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos

Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_011

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Edema, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_012

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Inflammation, Focal
	Bronchus	Inflammation, Nos Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_013

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_014

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_015

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_016

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_017

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_018

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_019

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos
	Alveoli	Foam-Cell Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_020

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_021

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_022

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_023

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse

Trachea

Congestion, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_024

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Edema, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_025

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_026

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_027

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Edema, Nos Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate Sclerosis
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_028

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_029

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_030

TRT#: 6
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_001

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration Congestion, Nos Cytomegaly Hemorrhage
	Bronchus	Inflammation, Granulomatous Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Sclerosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_002

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
	Pericardium Nos	Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Bronchus	Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
		Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_003

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_004

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_005

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_006

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchiole	Degeneration, Muroid
	Bronchus	Degeneration, Muroid
		Hypertrophy, Nos
	Bronchus	Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_007

TRT#: 7

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_008

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Hyperplasia, Focal
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_009

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_010

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_011

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_012

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_013

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Cytoplasmic Vacuolization
Lung		Congestion, Nos Edema, Nos
	Pleura Nos	Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_014

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Foam-Cell Hyperplasia, Focal
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphoma, Nos-Malignant Sclerosis Fibrosarcoma
Unspecified		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_015

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Pleura Nos Bronchus	Bronchiectasis Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_016

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis Cell-Shape Alteration
	Bronchus	Hyperplasia, Nos Inflammation, Nos Inflammation, Nos Inflammation, With Fibrosis Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_017

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos
Bronchiectasis
Congestion, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_018

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Inflammation, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_019

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Focal
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_020

TRT#: 7

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_021

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos Metaplasia, Squamous
Lung	Bronchus	Bronchiectasis Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Hyperplasia, Atypical
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_022

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_023

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
------	----------	-------------------------------------

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_024

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_025

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_026

TRT#: 7

SEX: Male

DAY ON TEST:

DOSE: 020.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung
Trachea

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_027

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Inflammation, Necrotizing Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_028

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_029

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_030

TRT#: 7
DOSE: 020.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Edema, Nos Fibrosis
	Pleura Nos	Hypertrophy, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_001

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_002

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Pleura Nos	Fibrosis
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_003

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_004

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos Dilatation, Nos Inflammation, Interstitial
Lung	Bronchus	Alveolar Macrophages Bronchiectasis Collapse Congestion, Nos Edema, Nos Fibrosis, Focal
	Alveoli	Foam-Cell Hyperplasia, Focal
	Pleura Nos	Inflammation, Suppurative Lymphocytic Inflammatory Infiltrate
Peritoneum		Inflammation, Suppurative
Trachea		Inflammation, Acute Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_005

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_006

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Hemorrhage
	Pleura Nos	Inflammation, Nos Pneumonia, Lobar Nos
Trachea	Gland	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_007

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_008

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_009

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_010

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_011

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Lymphocytic Inflammatory Infiltrate
Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Cell-Shape Alteration
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Focal
		Inflammation, Nos
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_012

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Inflammation, Focal
Lymphocytic Inflammatory Infiltrate
Sclerosis

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_013

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_014

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_015

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Inflammation, Focal

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_016

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_017

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Lymphoma, Nos-Malignant Metaplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_018

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_019

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Foam-Cell
Hemorrhage
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_020

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Lymphocytic Inflammatory Infiltrate
		Nephrosis, Hydro
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_021

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos

Trachea

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_022

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_023

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Emphysema, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_024

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_025

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Lymphocytic Inflammatory Infiltrate
Liver		Cytoplasmic Vacuolization
Lung		Adenomatous Polyp, Nos
	Bronchus	Bronchiectasis
	Alveoli	Foam-Cell
		Hemorrhage
		Hemosiderosis
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
		Phagocytic Cell
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_026

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_027

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
------	----------	-------------------------------------

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_028

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
		Foam-Cell
		Hemorrhage
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_029

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Emphysema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_030

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Alveoli

Foam-Cell
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_031

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_032

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_033

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Edema, Nos Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_034

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
		Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_035

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Congestion, Nos Dilatation, Nos Edema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_036

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Alveoli	Edema, Nos
	Bronchus	Emphysema, Nos
		Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_037

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Cytomegaly
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Monocytosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_038

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_039

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_040

TRT#: 8
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_001

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Lung

Pleura Nos
Bronchus

Trachea

Bronchus

Hemorrhage
Inflammation, Necrotizing
Inflammation, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_004

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Emphysema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_005

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

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

Bronchus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_007

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_009

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_013

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Congestion, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_019

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
Unspecified	Multiple Organs Nos	Metaplasia, Squamous Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_023

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_026

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Pleura Nos Bronchus	Bronchiectasis Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_027

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Edema, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_028

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos
		Inflammation, Nos
Unspecified		Neoplasm, Benign, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_029

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos
	Tubule	Cast, Nos
	Tubule	Cyst, Nos
		Dilatation, Nos
		Inflammation, Interstitial
Larynx		Lymphocytic Inflammatory Infiltrate
Liver		Atypia, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_033

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_034

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_036

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_038

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Emphysema, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_042

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Leukemia, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_043

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Degeneration, Muroid Edema, Nos Emphysema, Nos
	Alveoli	Fibrosis Hemorrhage Hyperplasia, Focal Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Nos Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_046

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Fibrosis
		Hemorrhage
		Hyperplasia, Focal
		Inflammation, Granulomatous Focal
	Pleura Nos	Inflammation, Necrotizing
		Lymphocytic Inflammatory Infiltrate
		Sclerosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:52
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_054

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_055

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Unspecified

Pleura Nos
Mediastinum Nos

Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_057

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Alveoli	Foam-Cell Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_058

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Atelectasis
Bronchiectasis
Congestion, Nos
Edema, Nos
Emphysema, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_059

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Inflammation, Necrotizing
	Bronchus	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_062

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Degeneration, Muroid
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Lymph node	Mediastinal Lymph Node	Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_063

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Edema, Nos Hemorrhage Hyperplasia, Atypical Inflammation, Focal
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea	Bronchus	Metaplasia, Squamous Hyperplasia, Atypical Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_064

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_065

TRT#: 9
DOSE: 005.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
		Hyperplasia, Adenomatous
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_068

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 005.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_001

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Glomerulonephritis, Chronic
Lung		Emphysema, Nos
	Bronchus	Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_002

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_003

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_004

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_005

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_006

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Cell-Shape Alteration
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_007

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Cytomegaly
Edema, Nos
Granuloma, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_008

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Fibrosis Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_009

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_010

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_011

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
	Bronchus	Hemorrhage
	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
	Alveoli	Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_012

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hyperplasia, Focal
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_013

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli Bronchus	Foam-Cell Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_014

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Bronchiole	Bronchiectasis Cyst, Nos Degeneration, Muroid Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_015

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_016

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_017

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatic Sinusoid	Congestion, Nos
Lung		Degeneration, Muroid
		Hyperplasia, Focal
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_018

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Hemorrhage Hyperplasia, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_019

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_020

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_021

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Lymphocytic Inflammatory Infiltrate
Phagocytic Cell

Alveoli

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_022

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
	Alveoli	Phagocytic Cell Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_023

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_024

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Alveoli	Edema, Nos
		Emphysema, Nos
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_025

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_026

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Inflammation, Focal
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Inflammation, Nos

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_027

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_028

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_029

TRT#: 10
DOSE: 010.0 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

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

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_030

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 010.0 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Edema, Nos

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_002

TRT#: 11
DOSE: 018.6 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchiole	Bronchiolectasis
	Bronchiole	Cyst, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_003

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 018.6 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_005

TRT#: 11
DOSE: 018.6 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Hyperplasia, Nos
Lung	Bronchus	Bronchiectasis
	Alveoli	Congestion, Nos
		Fibrosis
		Granuloma, Nos
		Hemorrhage
	Alveoli	Hyperplasia, Nos
		Hypertrophy, Nos
		Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_006

TRT#: 11
DOSE: 018.6 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos
	Hepatic Sinusoid	Inflammation, Acute
Lung	Bronchus	Bronchiectasis
		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_007

TRT#: 11
DOSE: 018.6 MG/M3

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Larynx		Lymphocytic Inflammatory Infiltrate
Lung	Bronchiole	Bronchiolectasis
	Alveolar Epithelium	Cell-Shape Alteration
	Bronchiole	Cyst, Nos
		Edema, Nos
		Emphysema, Nos
	Alveolar Epithelium	Fibrosis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_008

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 018.6 MG/M3

DISP: Natural Death

HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_001

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Congestion, Nos Degeneration, Muroid
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_002

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Genitourinary tract
Kidney

Tubule
Tubule
Tubule

Abscess, Nos
Cast, Nos
Cyst, Nos
Dilatation, Nos
Inflammation, Interstitial

Liver

Angiectasis
Hemorrhage

Portal Tract

Lymphocytic Inflammatory Infiltrate
Abscess, Nos

Lung

Bronchus

Bronchiectasis
Edema, Nos
Emphysema, Nos

Bronchus

Fibrosis
Hemorrhage
Inflammation, Nos
Inflammation, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate

Unspecified

Foot Nos

Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_009	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Liver		Congestion, Nos	
	Portal Tract	Lymphocytic Inflammatory Infiltrate	
Lung		Abscess, Nos	
	Bronchus	Bronchiectasis	
		Congestion, Nos	
		Edema, Nos	
		Fibrosis	
		Hemorrhage	
		Hyperplasia, Atypical	
	Bronchus	Inflammation, Nos	
		Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
Trachea		Inflammation, Nos	
		Lymphocytic Inflammatory Infiltrate	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_010

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Degeneration, Nos Hyperplasia, Nos
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: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_011

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchus

Edema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_013

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Pleura Nos	Fibrosis
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_014

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_015

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos Calcification, Nos Degeneration, Hyaline
	Tubule	Dilatation, Nos Pyelonephritis, Nos
Lung		Congestion, Nos Emphysema, Nos Fibrosis
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Urinary bladder		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_016

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Pleura Nos

Inflammation, Necrotizing

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_017

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_018

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchus

Edema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_020

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver

Lung

Intestinal Tract
Tubule

Bronchus

Bronchus

Trachea

Intussusception
Degeneration, Nos
Metamorphosis, Fatty
Necrosis, Nos
Abscess, Nos
Congestion, Nos
Emphysema, Nos
Fibrosis
Hemorrhage
Hyperplasia, Atypical
Hyperplasia, Papillary
Inflammation, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Sclerosis
Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_022

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Alveolar Epithelium
Pleura Nos

Bronchiectasis
Cell-Shape Alteration
Inflammation, Necrotizing
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous

Bronchus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_023

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Calcium Deposit
	Tubule	Degeneration, Nos
Liver	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
	Bronchiole	Distention
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Osseous
		Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_025

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Pulmonary Artery Nos	Hyperplasia, Nos
Heart	Endocardium Nos	Inflammation, Nos
	Epicardium	Inflammation, Nos
Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Abscess, Nos
	Pleura Nos	Adhesion, Nos
	Bronchus	Bronchiectasis
		Edema, Interstitial
		Fibrosis
		Inflammation, Focal
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Lymphoma, Nos-Malignant
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Diaphragm Nos	Adhesion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_026

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_029

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Large
Kidney
Liver

Intestinal Tract
Tubule

Fibroma
Degeneration, Nos
Amyloidosis
Necrosis, Nos

Lung

Bronchus

Bronchiectasis
Edema, Nos
Emphysema, Nos

Bronchus
Bronchus

Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_032

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_033

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Pleura Nos	Inflammation, Nos Inflammation, With Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_034

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Congestion, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_035

TRT#: 12
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
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_036

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Dilatation, Nos Inflammation, Interstitial
Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_038

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Fibrosis
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchiole	Distention
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_042

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveoli
Bronchiole

Hyperplasia, Epithelial
Inflammation, Granulomatous
Inflammation, Granulomatous
Perivasculitis
Phagocytic Cell
Polyp, Nos
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_043

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Meninges

Hemorrhage

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_045

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Cast, Nos Cyst, Nos
	Tubule	Dilatation, Nos Congestion, Nos
Liver		Abscess, Nos
Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_046

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Optic Nerve	Squamous Cell Carcinoma
Kidney		Amyloidosis
		Degeneration, Hyaline
		Degeneration, Nos
		Inflammation, Chronic
Liver		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Foam-Cell
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Mucocele
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_047

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Dilatation, Nos Inflammation, Focal
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_049

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Auricular Appendage Nos	Lymphoma, Nos-Malignant
Lung		Congestion, Nos
	Alveoli	Edema, Nos
		Emphysema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_050

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Nos
Lung	Bronchus Bronchiole	Bronchiectasis Distention Emphysema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_054

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos
Bronchiectasis
Congestion, Nos
Fibrosis
Hemorrhage

Bronchus
Pleura Nos

Inflammation, Nos
Inflammation, Nos
Inflammation, Nos
Sclerosis

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_055

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Atypical
	Bronchus	Hyperplasia, Nos
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_056

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
		Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_061

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Necrosis, Nos
Lung	Bronchus	Bronchiectasis Emphysema, Nos Fibrosis Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous Sclerosis
Skin		Abscess, Nos
Trachea		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_062

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Intestine Small
Lung

Ileum

Fibroma
Abscess, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Emphysema, Nos
Hemorrhage

Bronchus

Inflammation, Nos
Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_063

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Foam-Cell
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_064

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_065	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Kidney Liver	Tubule	Degeneration, Nos Congestion, Nos Fibrosis	
	Bile Duct	Hyperplasia, Nos Necrosis, Nos	
Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis Hyperplasia, Atypical Hyperplasia, Nos	
	Bronchus	Inflammation, Nos Inflammation, Nos	
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_067

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_069

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Edema, Nos
Emphysema, Nos
Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

Trachea

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_070

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
	Kupffer Cell	Hyperplasia, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_071

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
		Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_072

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_075

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_076

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Inflammation, Focal
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Atypical
		Hyperplasia, Papillary
Trachea		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_078

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_080

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_083

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos
	Tubule	Cast, Nos
		Dilatation, Nos
		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_086

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos Inflammation, Nos Inflammation, Nos
	Pleura Nos	Lymphocytic Inflammatory Infiltrate Necrosis, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Bronchus	Necrosis, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_087

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_090

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_091

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Fibrosis
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Abscess, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchiole	Distention
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Papillary
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Necrosis, Nos
		Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_092

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos
	Tubule	Dilatation, Nos
		Lymphocytic Inflammatory Infiltrate
Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphoma, Nos-Malignant
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_093

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_096

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Metamorphosis, Fatty
Lung	Bronchus	Necrosis, Nos Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Fibrosis Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Sclerosis
Skin	Abdomen	Fibrosarcoma Hemorrhage
Trachea		Hyperplasia, Atypical Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_097

TRT#: 12
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 Hyperplasia, Atypical Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_098

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Inflammation, Nos
Skin	Bronchus	Lymphocytic Inflammatory Infiltrate Abscess, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_099

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Fibrosis Hemorrhage Hyperplasia, Atypical Hyperplasia, Nos Hyperplasia, Papillary
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
		Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_100	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Kidney	Tubule	Atrophy, Nos Dilatation, Nos Inflammation, Focal	
Liver		Congestion, Nos	
Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hyperplasia, Atypical Hyperplasia, Nos	
	Bronchus	Inflammation, Nos Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate Necrosis, Nos	
Skin	Abdomen	Trichoepithelioma	
Trachea		Lymphocytic Inflammatory Infiltrate	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_101

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Fibrosis Hemorrhage
	Pleura Nos	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_102

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Cell-Shape Alteration
		Hyperplasia, Nos
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_103

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphoma, Nos-Malignant Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_104

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
		Edema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_106

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos Emphysema, Nos Fibrosis Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous Sclerosis
Trachea		Hyperplasia, Atypical Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_108

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_109

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Lung	Bronchus	Abscess, Nos
		Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_110

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos
		Dilatation, Nos
Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Alveoli	Fibrosis
	Bronchus	Foam-Cell
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_111

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration
	Bronchus	Cell-Shape Alteration
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_112

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_113

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_116

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Abscess, Nos
		Emphysema, Nos
		Hyperplasia, Atypical
	Bronchus	Hyperplasia, Nos
		Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Necrosis, Nos
		Sclerosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_117

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos Emphysema, Nos Fibrosis Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphoma, Nos-Malignant
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_118

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Spleen

Hypertrophy, Nos
Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_119

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Hyperplasia, Atypical
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_120

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Pelvis	Atrophy, Nos
	Tubule	Calcification, Nos
	Pelvis	Degeneration, Hyaline
	Tubule	Dilatation, Nos
		Dilatation, Nos
Liver	Hepatic Sinusoid	Inflammation, Focal
		Congestion, Nos
		Cytoplasmic Vacuolization
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Calcification, Nos
		Fibrosis
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Lymphoma, Nos-Malignant
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_121

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Hyperplasia, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_122

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Focal
	Bronchus	Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_123

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Glomerulus	Atrophy, Nos
	Tubule	Cast, Nos
	Tubule	Dilatation, Nos
		Inflammation, Nos
Liver		Congestion, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Pituitary gland		Adenoma, Nos
		Hemorrhage
Trachea		Hyperplasia, Atypical
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_124

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Emphysema, Nos Fibrosis Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Necrosis, Nos
Trachea		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_125	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Liver	Hepatic Sinusoid	Congestion, Nos Cytoplasmic Vacuolization	
Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Hyperplasia, Nos	
Trachea			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_127

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_128

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
		Fibrosis
	Bile Duct	Hyperplasia, Nos
		Inflammation, Focal
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Atypical
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Hyperplasia, Atypical
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_129

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Nos
Liver		Angiectasis
	Hepatic Sinusoid	Congestion, Nos
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Atypical
		Hyperplasia, Nos
		Hyperplasia, Papillary
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_130

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_132

TRT#: 12
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Granulomatous
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_133

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Hemorrhage
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_134

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Glomerulus	Atrophy, Nos
	Tubule	Degeneration, Nos
Liver		Degeneration, Nos
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_136

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Trachea		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_137

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos
	Tubule	Cyst, Nos
	Tubule	Dilatation, Nos
		Lymphocytic Inflammatory Infiltrate
		Necrosis, Nos
Liver		Distention
Lung	Bronchus	Bronchiectasis
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Osseous
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_138	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Inflammation, Interstitial	
Liver		Congestion, Nos	
	Portal Tract	Lymphocytic Inflammatory Infiltrate	
Lung		Abscess, Nos	
	Bronchus	Bronchiectasis	
		Congestion, Nos	
		Edema, Nos	
		Emphysema, Nos	
		Hemorrhage	
		Hyperplasia, Atypical	
		Sclerosis	
Unspecified	Multiple Organs Nos	Inflammation, Nos	
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_140

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Oral mucosa

Mouth Nos

Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_143

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_144

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung		Atelectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_150

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Amyloidosis
Lung	Bronchus	Abscess, Nos
		Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_152

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Inflammation, Interstitial Nephrosis, Hemoglobinuric
Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration Edema, Nos
	Bronchus	Hyperplasia, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphoma, Nos-Malignant
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_153

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Chest	Fibroma
	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_154

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_158

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_159

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_161

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Acute Focal
Liver		Perivasculitis
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_162

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Atypia, Nos
	Bronchus	Bronchiectasis
	Alveoli	Degeneration, Hyaline
	Bronchiole	Degeneration, Hyaline
	Bronchus	Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphoma, Nos-Malignant
Trachea		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_164

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Fibrosis

Pleura Nos

Inflammation, Nos

Trachea

Inflammation, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_165

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Portal Tract	Lymphocytic Inflammatory Infiltrate Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_166

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Dilatation, Nos Inflammation, Interstitial
Liver		Congestion, Nos Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_171

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_173

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Skin

Metamorphosis, Fatty

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_174

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Foam-Cell

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_179

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney
Liver
Lung

Hepatic Sinusoid
Bronchus

Nephrosis, Hydro
Congestion, Nos
Bronchiectasis
Edema, Nos
Hemorrhage
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_180

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_182

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Cortex Tubule	Cyst, Nos Dilatation, Nos Inflammation, Interstitial Necrosis, Nos
Liver		Cytoplasmic Vacuolization Distention
Lung	Bronchus Bronchus Bronchus	Bronchiectasis Edema, Nos Hyperplasia, Nos Inflammation, Nos Inflammation, Nos Lymphoma, Nos-Malignant
Trachea	Bronchus	Metaplasia, Squamous Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_183

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Unspecified

Bronchus

Lymphocytic Inflammatory Infiltrate

Mediastinum Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_185

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Degeneration, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_186

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveolar Epithelium
Alveoli
Bronchus

Cell-Shape Alteration
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_187

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_189

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchiole	Distention
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hyperplasia, Atypical
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Necrosis, Nos
		Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_192	TRT#: 12 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Kidney		Inflammation, Interstitial	
Liver		Congestion, Nos Hyperplasia, Nos	
	Portal Tract	Lymphocytic Inflammatory Infiltrate Necrosis, Nos Congestion, Nos Edema, Nos Fibrosis Hemorrhage Hyperplasia, Nos	
Lung		Inflammation, Nos	
	Bronchus	Inflammation, Nos	
	Pleura Nos	Inflammation, Nos	
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate	
Trachea		Lymphocytic Inflammatory Infiltrate	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_194

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_195

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Bronchus	Metaplasia, Squamous Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_196

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Acute
Liver	Hepatic Sinusoid	Congestion, Nos
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Pituitary gland		Hemorrhage
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_199

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_200

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell
	Bronchus	Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Inflammation, With Fibrosis Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_201

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Degeneration, Nos
Liver	Kupffer Cell	Congestion, Nos Hyperplasia, Nos Metamorphosis, Fatty
Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Emphysema, Nos Fibrosis Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_203

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveoli
Bronchiole
Bronchus

Edema, Nos
Foam-Cell
Inflammation, Granulomatous
Inflammation, Granulomatous
Lymphocytic Inflammatory Infiltrate
Perivascularitis
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_207

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Fibrosis
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Fibrosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_210

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Pyelonephritis, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Inflammation, Interstitial
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_212

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Nos Emphysema, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_213

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Pleura Nos	Adhesion, Nos
	Bronchus	Bronchiectasis
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_214

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos Degeneration, Hyaline
	Glomerulus	Dilatation, Nos Dilatation, Nos Cytoplasmic Vacuolization
Liver		Bronchiectasis
Lung	Bronchus	Foam-Cell
	Bronchus	Hyperplasia, Atypical Hyperplasia, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_215

TRT#: 12
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Calcification, Nos
Lung		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_219

TRT#: 12
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
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_220

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Emphysema, Nos
	Alveoli	Foam-Cell
		Hyperplasia, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Scar
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_221

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Foam-Cell

Alveoli
Bronchus

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_222

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_224

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos
	Kupffer Cell	Hyperplasia, Nos
Lung	Alveolar Epithelium	Cell-Shape Alteration
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_227

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Degeneration, Hyaline
Lung	Bronchus	Leukocytosis, Nos Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Lymphoma, Nos-Malignant Fibroma Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_228

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_229

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_230

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart		Inflammation, Nos
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_231

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_232

TRT#: 12
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Atypical Hyperplasia, Papillary Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_233

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos
Bronchus
Pleura Nos

Adhesion, Nos
Bronchiectasis
Inflammation, Nos
Leukocytosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_235

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Nephrosis, Nos
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Pituitary gland		Adenoma, Nos
		Hemorrhage
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_239

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Angiectasis
Lung		Edema, Nos
		Inflammation, Focal
		Leukocytosis, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Abdomen	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C00691
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Calcium chromate
CAS Number: 13765-19-0

Date Report Requested: 10/26/2014
Time Report Requested: 17:08:53
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_240

TRT#: 12
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Calcification, Nos
	Tubule	Degeneration, Nos
Liver		Hepatocellular Carcinoma
Lung		Abscess, Nos
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node	Hilar Lymph Node	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****