

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

C Number: C06940
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Male

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_001

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Degeneration, Muroid
Lymphocytic Inflammatory Infiltrate
Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_002

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_003

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Hyperplasia, Focal
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_004

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos Cerebrum	Hemorrhage Petechia
Liver		Congestion, Nos
Lung		Hemorrhage

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_005

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos Cerebrum	Hemorrhage Petechia
Liver	Perihepatic Region	Necrosis, Nos
Lung		Hemorrhage
Spleen		Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_006

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Nos
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Alveoli	Inflammation, Focal
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_007

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_008

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Degeneration, Muroid Fibrosis, Focal Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Mucocele

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_010

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Liver		Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_012

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Inflammation, Suppurative Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_013

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Degeneration, Mucoïd Hyperplasia, Focal Inflammation, Focal
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Focal Lymphocytic Inflammatory Infiltrate
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_014

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Fibrosis Inflammation, Nos Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_017

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_018

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Cell-Shape Alteration
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_019

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Foam-Cell

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_020

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_021

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_022

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_023

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis Congestion, Nos Inflammation, Nos
	Bronchus Pleura Nos	Inflammation, Nos Inflammation, Nos
Peritoneum		Inflammation, Nos
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_024

TRT#: 1
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 Metaplasia, Squamous
Trachea	Peritracheal Tissue	Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_025

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_026

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Fibrosis, Focal
Hemorrhage
Inflammation, Nos
Lymphoma, Nos-Malignant
Metaplasia, Squamous
Lymphocytic Inflammatory Infiltrate

Trachea

Peritracheal Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_027

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Foam-Cell Hemorrhage Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_028

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_029

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Degeneration, Muroid Hemorrhage
	Pleura Nos Bronchiole	Inflammation, Nos Inflammation, Obliterative Inflammation, With Fibrosis
	Bronchus Bronchus Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate Necrosis, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_030

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Degeneration, Muroid Edema, Nos Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Atypical
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_031

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Foam-Cell
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_032

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Degeneration, Muroid Hemorrhage
	Pleura Nos Bronchiole	Inflammation, Nos Inflammation, Obliterative Inflammation, With Fibrosis
	Bronchus Bronchus Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate Necrosis, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_033

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Foam-Cell
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
Lymph node	Tracheal Lymph Node	Hypertrophy, Nos
Trachea		Inflammation, Nos
	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_034

TRT#: 1
DOSE: 0

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_035

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_036

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_037

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_038

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
	Alveolar Wall	Metaplasia, Osseous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_039

TRT#: 1
DOSE: 0

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_040

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Inflammation, Nos
Inflammation, Nos

Pleura Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_042

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Wall	Foam-Cell
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_043

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_044

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Degeneration, Muroid
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_045

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Unspecified

Bronchus
Multiple Organs Nos

Lymphocytic Inflammatory Infiltrate
Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_046

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_047

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_048

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_049

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchiole	Cyst, Nos Inflammation, Interstitial
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_050

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis, Focal Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_051

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Emphysema, Nos
		Inflammation, Nos
Trachea	Bronchus	Metaplasia, Squamous
Unspecified	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate
	Mediastinum Nos	Inflammation, Nos
	Multiple Organs Nos	Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_052

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_053

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Degeneration, Muroid Fibrosis, Focal
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_054

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_055

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Degeneration, Muroid
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_056

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_057

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_058

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Genitourinary tract
Kidney
Lung

Bronchus

Bronchiole

Bronchus

Prostate

Abscess, Nos
Pyelonephritis, Nos
Bronchiectasis
Edema, Nos
Emphysema, Nos
Inflammation, Obliterative
Leukocytosis, Nos
Lymphocytic Inflammatory Infiltrate
Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_059

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Degeneration, Muroid Fibrosis, Focal
	Bronchiole	Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_060

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_062

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_063

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Cerebrum	Inflammation, Nos
	Meninges	Inflammation, Nos
	Subarachnoid Space Nos	Inflammation, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_064

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_065

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Degeneration, Muroid
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_066

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Cell-Shape Alteration
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Cell-Shape Alteration
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_067

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Bronchiole	Atelectasis Cell-Shape Alteration Cyst, Nos Degeneration, Muroid
Trachea	Bronchus Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_068

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_069

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Necrosis, Nos
Congestion, Nos
Edema, Nos
Emphysema, Nos
Hemorrhage
Inflammation, Necrotizing
Lymphocytic Inflammatory Infiltrate

Pleura Nos
Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_070

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_071

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos
Lung	Bronchiole	Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_072

TRT#: 1
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Hemorrhage
		Leukocytosis, Nos
Lung	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_073

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Hyperplasia, Nos

Bronchus

Inflammation, Nos
Inflammation, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_074

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchiole	Bronchiolectasis Congestion, Nos
	Bronchiole	Cyst, Nos Edema, Nos Hemorrhage
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_075

TRT#: 1
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Alveolar Epithelium

Bronchiectasis
Cell-Shape Alteration
Edema, Nos
Emphysema, Nos
Hyperplasia, Nos
Inflammation, Focal
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

Trachea

Peritracheal Tissue

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_001

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung		Bronchopneumonia Diffuse
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_002

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchopneumonia Diffuse Hyperplasia, Nos
Trachea	Metaplasia, Squamous Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_003

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung
Trachea

Hemorrhage
Hyperplasia, Nos
Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_004

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchus
Bronchus

Bronchiectasis
Fibrosis
Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_005

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage
Hyperplasia, Nos
Inflammation, Acute
Inflammation, Nos
Hyperplasia, Nos

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_006

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung		Hemorrhage
	Bronchus	Hyperplasia, Nos
		Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Organization
		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_008

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
	Alveolar Epithelium	Fibrosis
		Hyperplasia, Atypical
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_009

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Acute Inflammation, Acute Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_010

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchopneumonia Diffuse Hyperplasia, Nos
Bronchus	Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_011

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Subarachnoid Space Nos

Hemorrhage
Hemorrhage
Hyperplasia, Nos
Inflammation, Acute
Hyperplasia, Nos

Trachea

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_012

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_013

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute
Lung		Hyperplasia, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_015

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
		Hyperplasia, Atypical
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_016

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_017

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Subarachnoid Space Nos

Hemorrhage
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_018

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Hyperplasia, Nos
Inflammation, Acute
Inflammation, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_019

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Fibrosis, Diffuse
	Bronchus	Inflammation, Nos
		Inflammation, With Fibrosis

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_020

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_021

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_022

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Fibrosis
		Hyperplasia, Nos
		Inflammation, Acute
	Bronchus	Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_023

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Atypia, Nos
	Bronchiole	Atypia, Nos
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_024

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage
Hyperplasia, Nos
Inflammation, Acute
Inflammation, Nos
Hyperplasia, Nos

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_025

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchus

Bronchiectasis
Inflammation, Acute
Inflammation, Acute
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_026

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Metaplasia, Squamous
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_027

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute
Lung		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH -

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_028

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Hyperplasia, Atypical
		Inflammation, Nos
	Bronchus	Metaplasia, Squamous
Trachea		Atypia, Nos
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_029

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Fibrosis
	Bronchus	Hyperplasia, Atypical
	Alveolar Epithelium	Hyperplasia, Nos
	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Alveolar Epithelium	Metaplasia, Squamous
	Bronchus	Metaplasia, Squamous
		Mucocele
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_030

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Subarachnoid Space Nos

Bronchus

Hemorrhage
Hemorrhage
Hyperplasia, Nos
Inflammation, Acute
Inflammation, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_031

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration Congestion, Nos Fibrosis Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Alveoli	Metaplasia, Squamous Hyperplasia, Atypical Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_032

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_034

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

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

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_035

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 001.0 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse

Hemorrhage

Hyperplasia, Nos

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_037

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Hemorrhage
Hyperplasia, Nos
Inflammation, Acute
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_038

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_039

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_040

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Hemorrhage
Hyperplasia, Nos
Metaplasia, Squamous
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_041

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
	Alveoli	Foam-Cell
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_042

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
Trachea		Metaplasia, Squamous Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_043

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Alveolar Epithelium	Metaplasia, Squamous
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_044

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Alveoli	Metaplasia, Squamous
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Metaplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:28
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_045

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage
	Bronchus	Inflammation, Acute
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
	Alveolar Epithelium	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_046

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Acute
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_047

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_048

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung		Congestion, Nos
		Hyperplasia, Atypical
	Alveolar Epithelium	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous
		Mucocele
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_049

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Atypia, Nos
Bronchopneumonia Diffuse
Hyperplasia, Nos
Metaplasia, Squamous
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_050

TRT#: 2
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung		Hyperplasia, Nos
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_001

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_002

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_003

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
	Alveoli	Fibrosis
	Alveoli	Hypertrophy, Nos
		Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_004

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_005

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
		Metaplasia, Broncho-Alveolar
Unspecified	Bronchus	Metaplasia, Nos
	Face	Hyperplasia, Stromal
	Face	Neoplasm, Benign, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_006

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_007

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Edema, Nos
	Alveolar Epithelium	Fibrosis Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_008

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_009

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Fibrosis Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
Trachea	Bronchus	Metaplasia, Squamous Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_010

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
		Foam-Cell
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_011

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_012

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_013

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_014

TRT#: 3
DOSE: 001.0 PPM

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_015

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Sclerosis
Nasal cavity		Inflammation, Chronic
Oral mucosa		Hyperkeratosis
		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Metaplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_016

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Collapse Fibrosis
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_017

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Adhesion, Nos
	Bronchus	Bronchiectasis
		Hemosiderosis
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_018

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_019

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_020

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hyperplasia, Focal
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_021

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Compression, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Pituitary gland		Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_022

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_023

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium Alveoli	Cell-Shape Alteration Foam-Cell Granuloma, Nos Inflammation, Nos
Unspecified	Bronchus	Lymphocytic Inflammatory Infiltrate Liposarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_024

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Diffuse
Lung	Bronchus	Bronchiectasis
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_025

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_026

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
	Bronchus	Granulation Tissue
		Hyperplasia, Focal
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_027

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Mammary gland		Adenocarcinoma, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_028

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Cytomegaly
		Emphysema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Lymphoma, Nos-Malignant
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_029

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Degeneration, Muroid Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_030

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_031

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_032

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos
Liver	Portal Tract	Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Degeneration, Muroid
	Alveolar Epithelium	Fibrosis
	Alveoli	Hemosiderosis
		Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_033

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Collapse
	Bronchus	Fibrosarcoma
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_034

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Calcification, Nos Edema, Nos Foam-Cell
Unspecified	Bronchus Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_035

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Foam-Cell Foam-Cell
	Bronchus	Hyperplasia, Focal Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
	Bronchus	Metaplasia, Squamous Phagocytic Cell
Nasal cavity		Inflammation, Nos
Trachea		Hyperplasia, Atypical Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_036

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_037

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_038

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_039

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Atypia, Nos
	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Foam-Cell Hemorrhage Hyperplasia, Nos Inflammation, Nos Keratin-Pearl Formation Metaplasia, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_040

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Hepatic Sinusoid	Congestion, Nos Cytoplasmic Vacuolization
Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Emphysema, Nos Fibrosis, Focal Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate
Unspecified	Bronchus Bronchus Multiple Organs Nos	Metaplasia, Squamous Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_041

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
	Bronchus	Edema, Nos
	Bronchus	Inflammation, Nos
	Bronchiole	Inflammation, Nos
	Bronchus	Inflammation, Obliterative
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_042

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Degeneration, Muroid Edema, Nos Inflammation, Focal
Trachea	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_043

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveoli	Edema, Nos
	Bronchus	Emphysema, Nos
		Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_044

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis, Focal Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Sclerosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_045

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_046

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos Bronchus	Edema, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_047

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Pleura Nos

Edema, Nos
Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_048

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Metaplasia, Osseous
Trachea		Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_049

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 3_050

TRT#: 3
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Foam-Cell
	Bronchus	Hyperplasia, Nos
		Inflammation, Focal
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_001

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_002

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Foam-Cell Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_003

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Edema, Nos Fibrosis Hemorrhage Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus Pleura Nos	Inflammation, Nos Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_004

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium Bronchus	Bronchiectasis Cell-Shape Alteration Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
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PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_005

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Interstitial Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_006

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Bronchus

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_007

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_008

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_009

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_010	TRT#: 4 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Brain	Meninges	Inflammation, Acute	
Lung		Congestion, Nos	
		Edema, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
PRIMARY CAUSE OF DEATH			
	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_011

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_012

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Fibrosis Hemorrhage Inflammation, Nos
	Bronchus	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_013

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium Pleura Nos	Bronchiectasis Cell-Shape Alteration Inflammation, Necrotizing Inflammation, Nos
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_014

TRT#: 4
DOSE: 000.1 PPM

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		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_015

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_016

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_017

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_018

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain

Meninges

Inflammation, Acute
Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_019

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute Inflammation, Acute
Lung		Congestion, Nos Edema, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_020

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Edema, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_021

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_022

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_023

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Interstitial Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_024

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos Fibrosis Hemorrhage
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_025

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_028

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute
Lung		Congestion, Nos
		Edema, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_029

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood vessel	Arteriole Nos	Hypertrophy, Nos
Lung		Congestion, Nos
		Edema, Interstitial
	Pleura Nos	Fibrosis
		Hemorrhage
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Trachea		Hyperplasia, Atypical
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_030

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_031

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_032

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_033

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus
Alveolar Epithelium

Bronchiectasis
Cell-Shape Alteration
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous
Metaplasia, Squamous

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_034

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Hyperplasia, Nos Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
	Pleura Nos Bronchus	Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_035

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Congestion, Nos Hemorrhage Hyperplasia, Atypical
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Mucocele
Trachea		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_036

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchiole	Inflammation, Nos
	Bronchus	Inflammation, Obliterative Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_037

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_038

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Pleura Nos	Inflammation, Suppurative
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_039	TRT#: 4 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Lung	Bronchus	Bronchiectasis Edema, Nos	
	Bronchus	Foam-Cell Hyperplasia, Nos	
	Bronchus	Inflammation, Nos Inflammation, Nos	
	Bronchus	Inflammation, Suppurative Metaplasia, Squamous	
Trachea		Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_040

TRT#: 4
DOSE: 000.1 PPM

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 Metaplasia, Squamous
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_041

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_042

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchiole	Bronchiolectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
	Bronchiole	Cyst, Nos
	Alveoli	Foam-Cell
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Alveolar Epithelium	Metaplasia, Squamous
Trachea	Submucosa	Fibrosis
		Hyperplasia, Nos
	Submucosa	Hypertrophy, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_043

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_044

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_045

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_046

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
	Bronchus	Congestion, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Keratin-Pearl Formation
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_047

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis
	Bronchus	Foam-Cell Hemorrhage Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_048

TRT#: 4

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Unspecified	Multiple Organs Nos	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_049

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Fibrosis
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Inflammation, Nos Leukocytosis, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 4_050

TRT#: 4
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Foam-Cell
	Bronchiole	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Metaplasia, Squamous Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_001

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_002

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Alveoli	Foam-Cell
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_003

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Emphysema, Nos
		Hemosiderosis
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Hyperplasia, Atypical
Unspecified		Polyp, Inflammatory
	Knee	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_004

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Peritoneum		Inflammation, Necrotizing
Unspecified	Abdominal Wall Nos	Adhesion, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_005

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hyperplasia, Atypical

Bronchus

Inflammation, Nos
Inflammation, Nos

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_006

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_007

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos Metaplasia, Squamous
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_008

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
Trachea	Peritracheal Tissue	Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_009

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_010

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Pleura Nos	Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_011

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_012

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchopneumonia Diffuse
Bronchus	Inflammation, Acute

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_013

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_014

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchiole	Bronchiolectasis
	Bronchiole	Cyst, Nos
	Bronchus	Emphysema, Centrilobular
	Bronchus	Fibrosis
		Foam-Cell
		Hyperplasia, Adenomatous
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
	Bronchiole	Mucocele

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_015

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_016

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Foam-Cell
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_017

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis Foam-Cell
	Bronchiole	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_018

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_019

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Pleura Nos

Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_020

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Bronchopneumonia Diffuse
	Bronchus	Inflammation, Acute
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_021

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_022

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis Inflammation, Chronic
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_023

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_024

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Degeneration, Muroid
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_025

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Inflammation, Acute Inflammation, Nos
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_026

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_027

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_028

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Inflammation, Necrotizing
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PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_029

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Hemorrhage Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Unspecified	Thoracic Cavity Nos	Adhesion, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_030

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Foam-Cell
Inflammation, Nos
Mucocele

Bronchus

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_031

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_032

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Atelectasis
Bronchiectasis
Edema, Nos
Fibrosis
Foam-Cell
Hemosiderosis
Inflammation, Focal
Inflammation, Nos
Phagocytic Cell

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_033

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_034

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_035

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_036

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Mucocele
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_037

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Emphysema, Nos
	Alveoli	Fibrosis
	Bronchiole	Foam-Cell
		Foam-Cell
		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate
		Mucocele
	Alveoli	Phagocytic Cell
	Bronchiole	Phagocytic Cell
Pituitary gland		Chromophobe Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_038

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Hemorrhage Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_039

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Foam-Cell Inflammation, Focal
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Skin		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_040

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_041

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_042

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, With Fibrosis
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_043

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
	Bronchus	Cell-Shape Alteration
		Congestion, Nos
		Degeneration, Muroid
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Trachea		Hyperplasia, Atypical
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_044

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Bronchopneumonia Diffuse Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_045

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

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

Bronchus
Pleura Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_046

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_047

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Edema, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_048

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_049

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Lymphocytic Inflammatory Infiltrate
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 5_050

TRT#: 5
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_001	TRT#: 6 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hemorrhage Hyperplasia, Nos	
	Bronchus	Inflammation, Nos	
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos Lymphocytic Inflammatory Infiltrate	
Trachea			
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_002

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Foam-Cell Hemorrhage Hyperplasia, Nos
	Pleura Nos	Inflammation, Suppurative
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_003

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos Foam-Cell Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_004

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Interstitial Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_005

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Atypical Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_006

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
		Edema, Nos
	Alveoli	Foam-Cell
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_007

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
	Bronchiole	Cyst, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_008

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_009

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Edema, Nos
Emphysema, Nos
Hemorrhage
Hemosiderosis
Inflammation, Nos
Inflammation, Nos
Phagocytic Cell

Alveoli

Bronchus

Alveoli

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_010

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_011

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Emphysema, Nos
	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_012

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_013

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus
Alveolar Epithelium

Bronchiectasis
Cell-Shape Alteration
Congestion, Nos
Edema, Nos
Fibrosis, Focal
Foam-Cell
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Metaplasia, Squamous
Metaplasia, Squamous

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_014

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

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

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_015

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchiole	Cyst, Nos
	Bronchus	Emphysema, Nos
		Inflammation, Nos
		Inflammation, Nos
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Neuroblastoma, Invasive
		Hyperplasia, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_016

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_017

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos Hyperplasia, Nos Inflammation, Focal
	Bronchus	Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_018

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_019

TRT#: 6

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos
Keratin-Pearl Formation
Squamous Cell Carcinoma
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 6_020

TRT#: 6
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Fibrosis
	Alveoli	Foam-Cell
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_001

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Bronchus

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_002

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

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

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_003

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Interstitial Hemorrhage Hyperplasia, Atypical
	Pleura Nos	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Atypical
Trachea		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_004

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Bronchus
Bronchus

Bronchus

Trachea

Congestion, Nos
Atypia, Nos
Bronchiectasis
Calcification, Nos
Congestion, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_005

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis Hemorrhage Inflammation, Nos Metaplasia, Squamous
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_006

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Hyperplasia, Atypical
Inflammation, Nos
Inflammation, Nos
Metaplasia, Nos
Metaplasia, Nos

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_007

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos Congestion, Nos Foam-Cell Hemorrhage
	Bronchus	Hyperplasia, Nos Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_008

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Atypia, Nos
Hyperplasia, Nos

Bronchus

Inflammation, Nos
Inflammation, Nos

Trachea

Atypia, Nos
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_009

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Degeneration, Muroid Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Alveoli	Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_010

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_011

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_012

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
Trachea		Inflammation, Nos Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_013

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_014

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveoli
Bronchus

Edema, Nos
Hypertrophy, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_015

TRT#: 7

SEX: Male

DAY ON TEST:

DOSE: 001.0 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_016

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute
Lung		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_017

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Degeneration, Muroid Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Mucocele
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_018

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_019

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_020

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Atypia, Nos Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_021

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Bronchus
Pleura Nos

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_022

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Congestion, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Hemorrhage
		Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_023

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Degeneration, Muroid Edema, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Mucocele

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_024

TRT#: 7

SEX: Male

DAY ON TEST:

DOSE: 001.0 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_025

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Alveolar Epithelium
Bronchiole

Bronchus
Pleura Nos

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_026

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage Hyperplasia, Atypical Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_027

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage Hyperplasia, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous Mucocele Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_028

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Hemorrhage
Bronchus		Inflammation, Nos
Pleura Nos		Inflammation, Nos
		Inflammation, Nos
Bronchus		Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_029

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Degeneration, Muroid
Unspecified	Alveolar Epithelium Multiple Organs Nos	Metaplasia, Squamous Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_030

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_031

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Atypia, Nos
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Metaplasia, Nos
Hyperplasia, Atypical

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_032

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Fibrosis
Inflammation, Nos
Inflammation, Nos
Mucocele

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_033

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Inflammation, Nos
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_034

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_035

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis, Focal Hemorrhage Inflammation, Nos Metaplasia, Squamous
------	----------	---

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_036

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Congestion, Nos Hemorrhage
	Bronchus	Hyperplasia, Epithelial
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_037

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Pleura Nos

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_038

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Congestion, Nos
Lung		Congestion, Nos
		Hemorrhage
		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Mucocele
Trachea		Hyperplasia, Nos
		Metaplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_039

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Keratin-Pearl Formation
	Alveoli	Metaplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_040

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Congestion, Nos
	Alveoli	Foam-Cell
		Hyperplasia, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_041

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Hyperplasia, Epithelial
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_042

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_043

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Pleura Nos

Atypia, Nos
Congestion, Nos
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Inflammation, Nos
Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_044

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Atypical
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Trachea		Atypia, Nos
		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_045

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hyperplasia, Nos Inflammation, Focal
	Bronchus	Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_046

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium Alveoli	Cell-Shape Alteration Foam-Cell Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar Metaplasia, Squamous Mucocele
Trachea		Hyperplasia, Atypical

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_047

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Atypical Inflammation, Nos
	Bronchus	Metaplasia, Squamous Metaplasia, Squamous
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_048

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Congestion, Nos Degeneration, Muroid Foam-Cell Hemorrhage Hyperplasia, Atypical Inflammation, Focal
	Alveoli	Inflammation, Nos Metaplasia, Squamous
	Bronchus	

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_049

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Alveoli	Metaplasia, Squamous Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 7_050

TRT#: 7
DOSE: 001.0 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchus	Metaplasia, Squamous
Trachea	Peritracheal Tissue	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_003

TRT#: 8
DOSE: 009.5 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos Subarachnoid Space Nos
Lung	
Trachea	

Hemorrhage
Inflammation, Nos
Inflammation, Nos
Hemorrhage
Hyperplasia, Nos
Regeneration, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_004

TRT#: 8
DOSE: 009.5 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
		Hemorrhage
Kidney		Hemorrhage
Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_013

TRT#: 8

SEX: Male

DAY ON TEST:

DOSE: 009.5 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Subarachnoid Space Nos	Hemorrhage
Lung		Hemorrhage
	Alveoli	Hemosiderosis
	Alveoli	Phagocytic Cell
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 8_025

TRT#: 8
DOSE: 009.5 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Subarachnoid Space Nos

Hemorrhage
Congestion, Nos
Edema, Nos
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_001

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Ear

Abscess, Nos
Inflammation, Nos

Lung

Bronchus
Bronchus

Congestion, Nos
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_002

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Abscess, Nos Cell-Shape Alteration Fibrosis
Lung	Bronchus	Necrosis, Nos Atelectasis Bronchiectasis Fibrosis Histiocytosis Hyperplasia, Nos Hyperplasia, Papillary
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_003	TRT#: 9 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Lung	Bronchus	Bronchiectasis Edema, Nos Hemorrhage Hyperplasia, Nos Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous	
Trachea		Hyperplasia, Nos Metaplasia, Squamous	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_004

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
Nasal cavity		Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_005

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchiole	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchiole	Obliteration, Fibrous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_006

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Abscess, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Necrosis, Nos

Trachea

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_007

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Congestion, Nos Necrosis, Nos
Lung	Bronchus	Atelectasis Bronchiectasis Hyperplasia, Nos Inflammation, Focal
Nasal cavity	Bronchus	Inflammation, Nos Adenocarcinoma, Nos
Spleen		Necrosis, Nos
Unspecified	Knee Nos	Ulcer, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_008

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Alveoli	Edema, Nos
		Fibrosis
	Alveoli	Foam-Cell
	Bronchiole	Inflammation, Nos
		Inflammation, With Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchiole	Obliteration, Fibrous
		Phagocytic Cell
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_009	TRT#: 9 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Liver	Centrilobular	Congestion, Nos Cytoplasmic Vacuolization Inflammation, Focal	
Lung	Bronchus	Bronchiectasis Edema, Nos Hyperplasia, Nos	
	Pleura Nos	Inflammation, Necrotizing	
	Bronchus	Inflammation, Nos Inflammation, Nos Hyperplasia, Nos	
Trachea			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_010

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges
Unspecified	Multiple Organs Nos

Inflammation, Nos
Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_011

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Acute Diffuse
Lung		Atelectasis
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_012

TRT#: 9
DOSE: 000.1 PPM

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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_013

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Adhesion, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_014

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Amyloidosis Pyelonephritis, Chronic
Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos
	Alveoli	Edema, Nos Fibrosis, Focal
	Alveoli	Foam-Cell Hyperplasia, Nos Inflammation, Focal
	Alveoli	Inflammation, Granulomatous Focal Keratin-Pearl Formation
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea Unspecified	Abdominal Wall Nos	Lymphocytic Inflammatory Infiltrate Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_015

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Atypical Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_016

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Nos
	Pericardium Nos	Inflammation, Nos
Lung		Adhesion, Nos
		Fibrosis
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_017

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_018

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_019

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Heart		Inflammation, Interstitial
Kidney		Pyelonephritis, Chronic
Larynx		Inflammation, Nos
Lung	Bronchus	Bronchiectasis
		Emphysema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Alveoli	Metaplasia, Osseous
Nasal cavity		Inflammation, Necrotizing
Spleen		Fibrosis
		Pigmentation, Nos
Thyroid		Epithelial Tumor, Nos, Benign
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_021

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Cytomegaly Granuloma, Nos Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_022

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Pleura Nos

Trachea

Atelectasis
Bronchiectasis
Congestion, Nos
Fibrosis
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Hyperplasia, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_023

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_024

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate
Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_025

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis Foam-Cell Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_026

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus Alveolar Epithelium	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Atypia, Nos Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_027

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Abscess, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
Nasal cavity		Inflammation, Necrotizing
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_028

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_029

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Fibrosis, Focal Lymphangioma Necrosis, Nos
Lung	Bronchiole Bronchiole Alveoli	Bronchiolectasis Dilatation, Nos Foam-Cell Inflammation, Focal
	Bronchus Bronchus	Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Skin	Head Nos Head Nos Head Nos Head Nos Head Nos	Abscess, Nos Fibrosis Infection, Fungal Inflammation, Acute Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_030

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphoma, Nos-Malignant
Trachea	Bronchus	Metaplasia, Squamous Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_031

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_032

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos

Thrombosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_033

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Lung

Bronchus
Bronchiole

Bronchus
Bronchus
Bronchiole

Peritoneum
Unspecified

Neuroblastoma
Abscess, Nos
Abscess, Nos
Bronchiectasis
Bronchiolectasis
Congestion, Nos
Edema, Nos
Inflammation, Focal
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate
Mucocele
Sclerosis
Inflammation, Necrotizing
Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_034

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Emphysema, Nos Foam-Cell Leukocytosis, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified		Lymphocytic Inflammatory Infiltrate Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_035

TRT#: 9

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Atelectasis

Atypia, Nos

Bronchus

Bronchiectasis

Congestion, Nos

Edema, Nos

Emphysema, Nos

Fibrosis

Hyperplasia, Nos

Inflammation, Acute

Inflammation, Nos

Trachea

Hyperplasia, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_036

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Nos
		Inflammation, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:29
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_037

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver

Bile Duct

Cyst, Nos

Hemorrhage

Lung

Bile Duct

Hyperplasia, Nos

Edema, Nos

Emphysema, Nos

Metaplasia, Osseous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_038

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_039

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Inflammation, Nos
	Pleura Nos	Inflammation, With Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_040

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchiole
Alveoli

Abscess, Nos
Bronchiectasis
Bronchiolectasis
Foam-Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_041	TRT#: 9 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Abscess, Nos Atrophy, Nos Degeneration, Hyaline	
	Tubule	Dilatation, Nos Fibrosis Pyelonephritis, Nos	
Lung		Abscess, Nos Adhesion, Nos Bronchiectasis	
	Bronchus Alveoli	Cell-Shape Alteration Cytomegaly Fibrosis Granuloma, Nos	
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar Inflammation, Nos	
Nasal cavity			
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_042

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Inflammation, Acute
		Inflammation, Chronic
Kidney		Pyelonephritis, Chronic
Lung		Congestion, Nos
		Edema, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_043

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Abscess, Nos Fibrosis Inflammation, Acute Inflammation, Chronic
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_044

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Inflammation, Interstitial
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphoma, Histiocytic-Malignant Type
Skin		Abscess, Nos
		Ulcer, Nos
Trachea		Inflammation, Nos
Unspecified		Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_045

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus
Bronchus

Bronchus

Bronchiectasis
Fibrosis
Foam-Cell
Inflammation, Nos
Leukocytosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_046

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchiole

Bronchiolectasis
Emphysema, Nos

Bronchus

Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

Nasal cavity

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_047

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_048

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_049

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
	Pleura Nos	Organization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 9_050

TRT#: 9
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_001

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_002

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lung

Hemorrhage

Lymph node

Lymphatics Of Lung

Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_003

TRT#: 10
DOSE: 006.9 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Bronchopneumonia Diffuse Hemorrhage Hyperplasia, Nos Inflammation, Nos Metaplasia, Squamous Metaplasia, Squamous
	Bronchus Alveoli	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_004

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_006

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Kidney

Hemorrhage
Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_009

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Hyperplasia, Nos
Inflammation, Nos
Inflammation, With Fibrosis
Metaplasia, Squamous
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_010

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung
Trachea

Hemorrhage
Hemorrhage
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_012

TRT#: 10
DOSE: 006.9 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain
Lung

Hemorrhage
Hemorrhage
Hemosiderosis
Inflammation, Nos
Fibrosis

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_013

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Inflammation, Necrotizing

Bronchus

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_014

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lymph node

Lymphatics Of Lung

Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_015

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Hemorrhage

Inflammation, Nos

Inflammation, Nos

Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_018

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lymph node

Lymphatics Of Lung

Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_019

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung
Trachea

Hemorrhage
Hemorrhage
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_023

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Trachea

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_024

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung
Trachea

Hemorrhage
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 10_025

TRT#: 10

SEX: Male

DAY ON TEST:

DOSE: 006.9 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lung

Hemorrhage

Bronchus

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_001

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Arteriosclerosis, Nos Atelectasis
	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Bronchus	Fibrosis
	Alveoli	Foam-Cell Hyperplasia, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate Metaplasia, Osseous Metaplasia, Squamous
Trachea		Hyperplasia, Nos Inflammation, Nos Metaplasia, Squamous
Unspecified		Metamorphosis, Fatty

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_002

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Alveoli

Alveoli

Bronchus

Bronchus

Trachea

Alveolar/Bronchiolar Adenoma

Bronchiectasis

Edema, Nos

Emphysema, Nos

Foam-Cell

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_003

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung		Atelectasis
		Congestion, Nos
		Edema, Nos
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
	Lymphatic Vessels	Dilatation, Nos
Lymph node		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_004

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney

Atrophy, Nos

Fibrosis

Lung

Inflammation, Interstitial

Abscess, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_005

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchopneumonia Diffuse

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_006

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos
	Bronchiole	Inflammation, Obliterative Metaplasia, Broncho-Alveolar
Skin	Head Nos	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_007

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos
Emphysema, Centrilobular
Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_008

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos
	Tubule	Cyst, Nos
		Dilatation, Nos
		Fibrosis
		Inflammation, Interstitial
Lung	Bronchus	Bronchiectasis
		Edema, Nos
		Hemorrhage
	Bronchus	Hyperplasia, Nos
		Inflammation, Granulomatous
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_009

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Alveoli

Edema, Nos

Emphysema, Nos

Alveolar Wall

Fibrosis

Alveoli

Foam-Cell

Hemorrhage

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_010

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Emphysema, Nos

Fibrosis

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Broncho-Alveolar

Trachea

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_011

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Emphysema, Nos

Foam-Cell

Unspecified

Bronchus

Lymphocytic Inflammatory Infiltrate

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_012

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_013

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
		Edema, Nos
		Emphysema, Alveolar
		Fibrosis, Focal
	Alveoli	Foam-Cell
		Hyperplasia, Atypical
		Inflammation, Focal
		Lymphocytic Inflammatory Infiltrate
Nasal cavity		Inflammation, Acute
		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_014

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
Nasal cavity		Metaplasia, Squamous
Trachea		Inflammation, Necrotizing Hyperplasia, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_015

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos
Trachea	Bronchus	Metaplasia, Squamous Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_016

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
		Mucocele
Trachea		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_017

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos Metaplasia, Broncho-Alveolar
Unspecified	Abdomen	Neoplasm, Benign, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_018

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_019

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_020

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Pleura Nos

Inflammation, Necrotizing

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_021

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung

Meninges
Bronchus

Bronchus
Bronchus

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_022

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Congestion, Nos Granuloma, Lipo
Lung		Congestion, Nos Edema, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Metaplasia, Broncho-Alveolar
Nasal cavity		Inflammation, Necrotizing
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_023

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_024

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

Bronchus

Nasal cavity

Atelectasis

Bronchiectasis

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Metaplasia, Broncho-Alveolar

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_025

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Hyperplasia, Focal

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_026

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos

Arteriosclerosis, Nos

Bronchus

Bronchiectasis

Fibrosis

Inflammation, Nos

Nasal cavity

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_027

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_028

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Hyperplasia, Focal

Bronchus

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_029

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing Lymphocytic Inflammatory Infiltrate
Trachea	Bronchus	Metaplasia, Squamous Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_030

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
	Bronchus	Calcification, Nos
		Emphysema, Nos
	Bronchus	Fibrosis
		Fibrosis, Diffuse
		Hyperplasia, Focal
	Bronchus	Inflammation, Nos
		Inflammation, With Fibrosis
	Alveoli	Metaplasia, Osseous
Trachea	Cartilage	Calcification, Nos
		Hyperplasia, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_031

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

Bronchus

Bronchus

Alveoli

Trachea

Atelectasis

Bronchiectasis

Fibrosis

Hyperplasia, Nos

Hyperplasia, Papillary

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Metaplasia, Broncho-Alveolar

Metaplasia, Osseous

Metaplasia, Squamous

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_032

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Inflammation, Acute Focal Inflammation, Chronic Necrosis, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Broncho-Alveolar
Thyroid		Epithelial Tumor, Nos, Benign
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_033

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Emphysema, Nos
	Bronchus	Fibrosis
	Alveoli	Foam-Cell
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Keratin-Pearl Formation
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
Nasal cavity		Inflammation, Acute
		Inflammation, Chronic
Unspecified	Abdomen	Fibroma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_034

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Necrosis, Nos
Lung		Atelectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
Nasal cavity		Adenocarcinoma, Nos
Pituitary gland		Neoplasm, Nos
Spleen		Necrosis, Nos
Trachea		Inflammation, Nos
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_035

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Focal Inflammation, Nos
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate Inflammation, Nos
Unspecified	Multiple Organs Nos	Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_036

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_037	TRT#: 11 DOSE: 000.1 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Brain	Flocculus Nos	Abscess, Nos Neuroblastoma	
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Emphysema, Nos	
	Bronchus	Inflammation, Nos Inflammation, Nos Perivasculitis	
Salivary gland			
Trachea		Inflammation, Nos	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_038

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain

Neuroblastoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_039

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Atelectasis
	Bronchus	Bronchiectasis
		Emphysema, Nos
		Fibrosis, Diffuse
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Osseous
Trachea		Inflammation, Acute
		Inflammation, Nos
Unspecified		Abscess, Nos
		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_040

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Calcification, Nos
		Fibrosis
		Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos
		Leukocytosis, Nos
		Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous
	Pleura Nos	Organization

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_041

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
	Bronchus	Keratin-Pearl Formation
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_042

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_043

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Atypia, Nos
	Bronchus	Bronchiectasis
		Hyperplasia, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_044

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Hyperplasia, Nos

Trachea

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_045

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_046

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos

Bronchus

Bronchiectasis

Hyperplasia, Atypical

Inflammation, Granulomatous

Inflammation, Nos

Phagocytic Cell

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_047

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Emphysema, Nos
		Hemorrhage
		Hyperplasia, Nos
		Inflammation, Nos
Nasal cavity		Inflammation, Necrotizing
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_048

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Necrotizing
Lung		Arteriosclerosis, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
		Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
		Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_049

TRT#: 11
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos
Arteriosclerosis, Nos
Congestion, Nos
Edema, Nos
Inflammation, Nos
Inflammation, Nos

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 11_050

TRT#: 11

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Nos Inflammation, Nos
Trachea		Metaplasia, Squamous Degeneration, Hyaline Hyperplasia, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_003

TRT#: 12
DOSE: 003.7 PPM

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_006

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lung

Hemorrhage

Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_010

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse

Hemorrhage

Bronchus

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_012

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos Inflammation, Nos
Lung	Bronchus	Hyperplasia, Basal Cell Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_013

TRT#: 12
DOSE: 003.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Hemorrhage
Lung		Atelectasis
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_016

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung

Bronchus

Hyperplasia, Nos

Inflammation, Nos

Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_017

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Hyperplasia, Lymphoid Hyperplasia, Lymphoid
Trachea	Bronchus	Hyperplasia, Nos Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_019

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Hemorrhage

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_021

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lymph node

Lymphatics Of Lung

Distention

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_023

TRT#: 12
DOSE: 003.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Nos
Lung		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 12_025

TRT#: 12

SEX: Male

DAY ON TEST:

DOSE: 003.7 PPM

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Lung	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
		Metaplasia, Broncho-Alveolar
	Bronchus	Metaplasia, Squamous
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_001

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Tubule

Cast, Nos

Tubule

Degeneration, Hyaline

Edema, Nos

Inflammation, Interstitial

Liver

Hepatocytes

Cytoplasmic Vacuolization

Lung

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_002

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung		Atelectasis
	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Nasal cavity		Inflammation, Necrotizing
	Nasopharyngeal Gland	Neoplasm, Malignant, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_003

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Fibrosis, Focal
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Metaplasia, Squamous
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_004

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Fibrosis, Focal
Hemorrhage
Hyperplasia, Nos
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous
Lymphocytic Inflammatory Infiltrate

Trachea

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_005

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule	Atrophy, Nos
	Tubule	Cast, Nos
		Dilatation, Nos
		Inflammation, Interstitial
Liver		Amyloidosis
	Portal Tract	Thrombosis, Nos
Lung	Bronchus	Abscess, Nos
	Pleura Nos	Adhesion, Nos
	Bronchus	Bronchiectasis
	Alveolar Epithelium	Cell-Shape Alteration
		Emphysema, Nos
	Bronchus	Fibrosis
		Fibrosis
	Alveoli	Foam-Cell
		Hyperplasia, Focal
		Inflammation, Focal
	Pleura Nos	Inflammation, Necrotizing
		Inflammation, Necrotizing
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_006

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Atypia, Nos
	Bronchus	Bronchiectasis
		Hyperplasia, Nos
		Metaplasia, Broncho-Alveolar
		Metaplasia, Squamous
Lymph node	Pretracheal Lymph Node	Plasmacytosis
Nasal cavity		Inflammation, Necrotizing
Unspecified	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_007

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_008

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_009

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Calcification, Nos
	Alveoli	Cell-Shape Alteration
		Fibrosis, Focal
		Hemorrhage
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
		Phagocytic Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_010

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Ear		Osteosarcoma
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
	Bronchus	Fibrosis
		Hyperplasia, Focal
		Inflammation, Nos
		Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_011

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Emphysema, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_012

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_013

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Bronchiectasis Fibrosis, Focal Hemorrhage
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous
Spleen	Follicles	Atrophy, Nos Hemorrhage
Unspecified	Connective Tissue Nos	Hemorrhage
	Connective Tissue Nos	Inflammation, Fibrinous
	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_014

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Fibrosis, Focal Hemorrhage
	Bronchus	Inflammation, Nos Metaplasia, Squamous
Trachea		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_015

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Lung

Alveoli

Neuroblastoma

Edema, Nos

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_016

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_017

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos
Keratin-Pearl Formation
Lymphocytic Inflammatory Infiltrate
Metaplasia, Squamous
Hyperplasia, Nos

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_018

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver
Lung

Necrosis, Focal
Congestion, Nos
Edema, Nos
Emphysema, Nos
Hemorrhage
Inflammation, Nos
Adenocarcinoma, Nos

Unspecified

Bronchus
Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_019

TRT#: 13
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Fibrosis, Focal
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 13_020

TRT#: 13

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Fibrosis, Focal
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_001

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Trachea

Inflammation, Nos

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_002

TRT#: 14
DOSE: 002.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveoli	Cell-Shape Alteration Collapse Congestion, Nos
	Alveoli	Foam-Cell Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, Nos
	Alveoli	Phagocytic Cell
	Bronchiole	Phagocytic Cell Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_003

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hemorrhage Hyperplasia, Nos Inflammation, Chronic
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_004

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Fibrosis

Hemorrhage

Trachea

Bronchus

Inflammation, Nos

Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_005

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Metaplasia, Squamous

Alveoli

Phagocytic Cell

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_006

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

Bronchus

Trachea

Cell-Shape Alteration

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_007

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_008

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Foam-Cell Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_009

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_010

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Congestion, Nos

Fibrosis

Bronchus

Foam-Cell

Hemorrhage

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_011

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_012

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Lung	Bronchus	Bronchiectasis
		Bronchopneumonia Diffuse
	Bronchus	Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_013

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Fibrosis

Hemorrhage

Hyperplasia, Atypical

Bronchus

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_014

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung

Bronchus

Trachea

Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Inflammation, Nos
Metaplasia, Squamous
Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_015

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Hemorrhage

Inflammation, With Fibrosis

Inflammation, With Fibrosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_016

TRT#: 14
DOSE: 002.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Hyperplasia, Atypical Inflammation, Nos Metaplasia, Broncho-Alveolar
	Alveoli	Metaplasia, Squamous
	Bronchus	Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_017

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Hemorrhage

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_018

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung

Hemorrhage
Hemorrhage
Hyperplasia, Nos
Inflammation, Nos
Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_019

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Pleura Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_020

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_021

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Congestion, Nos
Lung	Bronchus	Bronchiectasis
	Alveoli	Cell-Shape Alteration
		Congestion, Nos
	Alveoli	Foam-Cell
		Hemorrhage
		Hyperkeratosis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Broncho-Alveolar
	Bronchus	Metaplasia, Squamous
		Parakeratosis
Trachea		Hyperplasia, Atypical
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_022

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_023

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Hemorrhage

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_024

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchopneumonia Diffuse
Hyperplasia, Nos
Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 14_025

TRT#: 14

SEX: Male

DAY ON TEST:

DOSE: 002.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Hemorrhage

Bronchus

Inflammation, Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_001

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Abscess, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Edema, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_002

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Cast, Nos
	Tubule	Degeneration, Hyaline
	Tubule	Dilatation, Nos
Lung	Bronchus	Bronchiectasis
	Bronchus	Calcification, Nos
		Hyperplasia, Nos
		Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_003

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Neuroblastoma

Lung

Bronchus

Abscess, Nos

Bronchus

Bronchiectasis

Fibrosis

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_004

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_005

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_006

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Angiectasis
		Congestion, Nos
		Metamorphosis, Fatty
Lung	Bronchus	Bronchiectasis
		Fibrosis, Focal
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_007

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration Collapse Congestion, Nos Edema, Nos Fibrosis, Focal Granuloma, Nos Hemorrhage Hyperplasia, Atypical Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous Hyperplasia, Nos
Trachea		

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_008

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_009

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Congestion, Nos
Liver		Congestion, Nos
Lung	Bronchus	Bronchiectasis
		Fibrosis
		Hyperplasia, Nos
		Hypertrophy, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous
Lymph node		Lymphoma, Histiocytic-Malignant Type
Trachea	Cartilage	Calcification, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_010

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage Leukocytosis, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Mucocele

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_011

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos
Edema, Nos
Fibrosis, Focal
Inflammation, Focal
Inflammation, Nos
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_012

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_013

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Emphysema, Nos Hemorrhage Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos Metaplasia, Broncho-Alveolar

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_014

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous
Trachea		Hyperplasia, Nos Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_015

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Abscess, Nos
Lung	Bronchus	Bronchiectasis
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Squamous
Trachea		Polyp, Inflammatory
		Hyperplasia, Nos
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_016

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Fibrosis Inflammation, Focal Inflammation, Interstitial
Lung	Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Necrotizing
	Pleura Nos Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchus	Metaplasia, Squamous Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_017

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver	Congestion, Nos Hyperplasia, Nos
Lung	Inflammation, Nos Keratin-Pearl Formation Squamous Cell Carcinoma
Trachea	Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_018

TRT#: 15

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver		Metamorphosis, Fatty Necrosis, Nos
Lung	Bronchus	Inflammation, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_019

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 15_020

TRT#: 15
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration Fibrosis, Focal Inflammation, Nos Metaplasia, Squamous Squamous Cell Carcinoma
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_001

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Cyst, Nos Degeneration, Hyaline
	Tubule	Dilatation, Nos Inflammation, Interstitial
Liver		Congestion, Nos Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty
		Necrosis, Nos
Lung	Bronchus	Bronchiectasis Congestion, Nos Hemorrhage
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchiole	Inflammation, Obliterative Inflammation, With Fibrosis
		Lymphocytic Inflammatory Infiltrate
Trachea		Hyperplasia, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_002

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Lymphocytic Inflammatory Infiltrate

Pituitary gland

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_003

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Foam-Cell Hyperplasia, Focal
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_004

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Meninges

Inflammation, Acute

Inflammation, Nos

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_005

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Adhesion, Nos
Bronchiectasis
Congestion, Nos
Edema, Nos
Hemorrhage
Inflammation, Nos
Lymphoma, Nos-Malignant
Inflammation, Nos

Unspecified

Mediastinum Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_006

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Pleura Nos

Inflammation, Necrotizing

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_007

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

Bronchus

Abscess, Nos

Bronchiectasis

Fibrosis, Focal

Hyperplasia, Nos

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_008

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
		Edema, Nos
	Pleura Nos	Hypertrophy, Nos
		Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_009

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_010

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Abscess, Nos
	Inflammation, Necrotizing
Trachea	Hyperplasia, Nos
	Metaplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_011

TRT#: 16
DOSE: 000.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchus

Nasal cavity

Atelectasis
Bronchiectasis
Congestion, Nos
Emphysema, Nos
Inflammation, Nos
Inflammation, Nos
Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_012

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage
	Bronchus	Inflammation, Nos Inflammation, With Fibrosis
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Hyperplasia, Focal

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_013

TRT#: 16
DOSE: 000.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver		Cytoplasmic Vacuolization
Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Edema, Nos
	Alveoli	Fibrosis
	Bronchus	Fibrosis
		Foam-Cell
		Inflammation, Focal
		Lymphocytic Inflammatory Infiltrate
		Phagocytic Cell
Nasal cavity		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_014

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Foam-Cell
		Hemorrhage
		Inflammation, Nos
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate
Trachea		Inflammation, Necrotizing
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_015

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_016

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
		Edema, Nos
	Pleura Nos	Fibrosis
		Inflammation, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_017

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos
	Bronchus	Bronchiectasis
		Collapse
		Congestion, Nos
		Emphysema, Nos
	Bronchus	Fibrosis
		Fibrosis, Focal
		Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Metaplasia, Broncho-Alveolar
		Sclerosis
Urinary bladder		Hemorrhage
		Inflammation, Necrotizing

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_018

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Alveoli

Calcification, Metastatic

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_019

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_020

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung

Meninges
Alveoli

Inflammation, Acute
Calcification, Nos
Congestion, Nos
Dilatation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_021

TRT#: 16
DOSE: 000.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_022

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Fibrosis, Focal

Hemorrhage

Pleura Nos

Inflammation, Necrotizing

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_023

TRT#: 16
DOSE: 000.7 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_024

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Pleura Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Unspecified

Mediastinum Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 16_025

TRT#: 16

SEX: Male

DAY ON TEST:

DOSE: 000.7 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_001

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney	Tubule	Cyst, Nos
	Tubule	Degeneration, Hyaline
	Tubule	Dilatation, Nos
		Inflammation, Interstitial
Liver		Hematopoiesis
		Leukocytosis, Nos
Lung		Emphysema, Nos
		Foam-Cell
		Inflammation, Focal
		Leukocytosis, Nos
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate
		Inflammation, Necrotizing
		Squamous Cell Carcinoma
	Turbinate Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_002

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Trachea

Metaplasia, Broncho-Alveolar

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_003

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung		Congestion, Nos Edema, Nos Hemorrhage
Nasal cavity	Bronchus	Lymphocytic Inflammatory Infiltrate Neuroblastoma
	Olfactory Region	Neuroblastoma, Invasive
Trachea	Turbinate Nos	Neuroblastoma, Invasive Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_004

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_005

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Hemorrhage

Infection, Bacterial

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_006

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Focal
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Prostate		Hemorrhage
Seminal vesicle		Hemorrhage
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_007

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Lung

Bronchus

Neuroblastoma

Bronchiectasis

Congestion, Nos

Edema, Nos

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_008

TRT#: 17
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_009

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
	Bronchiole	Cyst, Nos
		Foam-Cell
		Hyperplasia, Focal
		Inflammation, With Fibrosis
		Metaplasia, Osseous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_010

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
Nasal cavity		Inflammation, Necrotizing
		Neuroblastoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_011

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_012

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain

Edema, Nos

Inflammation, Acute

Inflammation, Chronic

Lung

Bronchus

Bronchiectasis

Pleura Nos

Inflammation, Necrotizing

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_013

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Focal
		Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_014

TRT#: 17
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hyperplasia, Atypical
	Bronchus	Inflammation, Nos Inflammation, Nos Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_015

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hyperplasia, Nos

Bronchus

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Metaplasia, Squamous

Mucocele

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_016

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Emphysema, Nos

Inflammation, Nos

Pleura Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_017

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Inflammation, Focal

Bronchus

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_018

TRT#: 17
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_019

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
		Bronchopneumonia Diffuse
	Alveoli	Edema, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_020

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_021

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_022

TRT#: 17
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Adhesion, Nos Edema, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Alveoli	Phagocytic Cell
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_023

TRT#: 17
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Meninges	Inflammation, Necrotizing
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Keratin-Pearl Formation
	Bronchus	Lymphocytic Inflammatory Infiltrate
		Metaplasia, Squamous
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_024

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Liver		Congestion, Nos
		Necrosis, Focal
Lung		Emphysema, Nos
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Pneumonia, Lobar Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_025

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Neuroblastoma
Lung	Bronchus	Bronchiectasis
	Bronchus	Inflammation, Nos
		Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_026

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_027

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Ganglioneuroblastoma
Lung		Congestion, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
Nasal cavity		Ganglioneuroblastoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_028

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Emphysema, Nos Fibrosis, Focal Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Unspecified	Mediastinum Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_029

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Liver	Hepatocytes	Atypia, Nos Congestion, Nos Necrosis, Nos
Lung		Inflammation, Nos Keratin-Pearl Formation Squamous Cell Carcinoma
Lymph node	Mediastinal Lymph Node Mediastinal Lymph Node Tracheal Lymph Node	Keratin-Pearl Formation Squamous Cell Carcinoma, Metastatic Squamous Cell Carcinoma, Metastatic
Nasal cavity		Inflammation, Nos
Unspecified	Mediastinum Nos	Squamous Cell Carcinoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 17_030

TRT#: 17

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Congestion, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_001

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hyperplasia, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Nasal cavity		Neuroblastoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_002

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain	Olfactory System	Neoplasm, Malignant, Nos
Lung	Bronchus	Bronchiectasis
		Congestion, Nos
		Edema, Nos
		Hemorrhage
	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_003

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Cell-Shape Alteration Congestion, Nos Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Inflammation, Nos Keratin-Pearl Formation Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_004

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos Hemorrhage Hyperplasia, Focal
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea	Bronchiole	Inflammation, Obliterative Inflammation, Nos Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_005

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_006

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Inflammation, Nos

Squamous Cell Carcinoma

Nasal cavity

Neuroblastoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_007

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Pleura Nos	Adhesion, Nos
	Bronchus	Bronchiectasis
	Bronchus	Hyperplasia, Nos
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos
		Lymphocytic Inflammatory Infiltrate
	Bronchus	Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_008

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hyperplasia, Nos

Unspecified

Multiple Organs Nos

Leukemia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_009

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Sphenoid And Ethmoid Bones	Olfactory Neuroblastoma, Invasive
Brain		Olfactory Neuroblastoma
Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate Neuroblastoma
Nasal cavity		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_010

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Pleura Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_011

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Inflammation, Nos
Keratin-Pearl Formation
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_012

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Pleura Nos

Congestion, Nos

Inflammation, Necrotizing

Bronchus

Inflammation, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_013

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage
	Pleura Nos	Inflammation, Necrotizing
	Bronchus	Inflammation, Nos Inflammation, Nos
Trachea		Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_014

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Blood	Hematopoietic System	Keratin-Pearl Formation
	Hematopoietic System	Squamous Cell Carcinoma, Invasive
Lung		Inflammation, Nos
		Keratin-Pearl Formation
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_015

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart		Squamous Cell Carcinoma, Invasive
Lung	Bronchus	Bronchiectasis Desmoplasia Inflammation, Nos Keratin-Pearl Formation Squamous Cell Carcinoma
Unspecified	Mediastinum Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_016

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Hemorrhage Hyperplasia, Focal
	Pleura Nos	Inflammation, Necrotizing Inflammation, Nos
	Bronchiole	Inflammation, Obliterative
	Bronchus	Lymphocytic Inflammatory Infiltrate Metaplasia, Squamous
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_017

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood	Hematopoietic System	Squamous Cell Carcinoma, Invasive
Lung		Inflammation, Nos
		Keratin-Pearl Formation
		Squamous Cell Carcinoma
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_018

TRT#: 18
DOSE: 000.1 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney	Tubule Bowmans Capsule Tubule	Abscess, Nos Cyst, Nos Dilatation, Nos Dilatation, Nos Pyelonephritis, Nos
Liver		Hematopoiesis
Lung	Bronchus Pleura Nos	Bronchiectasis Inflammation, Nos Inflammation, Nos Keratin-Pearl Formation Metaplasia, Squamous
Lymph node	Hilar Lymph Node	Cyst, Nos
Nasal cavity		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_019

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Congestion, Nos Edema, Nos
	Pleura Nos	Hypertrophy, Nos
	Bronchus	Inflammation, Nos Inflammation, Nos Lymphocytic Inflammatory Infiltrate
Nasal cavity		Neuroblastoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_020

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Edema, Nos

Hyperplasia, Focal

Bronchus

Inflammation, Nos

Inflammation, Nos

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_021

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_022

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood	Hematopoietic System	Squamous Cell Carcinoma, Invasive
Lung		Keratin-Pearl Formation
		Squamous Cell Carcinoma
Unspecified	Mediastinum Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_023

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Blood
Lung

Hematopoietic System

Squamous Cell Carcinoma, Invasive
Inflammation, Nos
Keratin-Pearl Formation
Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_024

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_025

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Edema, Nos

Inflammation, Focal

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_026

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Bronchiectasis

Emphysema, Nos

Inflammation, Nos

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_027

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Lung

Degeneration, Muroid

Edema, Nos

Unspecified

Bronchus

Lymphocytic Inflammatory Infiltrate

Mediastinum Nos

Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_028

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain
Lung

Meninges

Inflammation, Acute
Congestion, Nos
Hemorrhage
Lymphocytic Inflammatory Infiltrate

Bronchus

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_029

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Hemorrhage

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 18_030

TRT#: 18

SEX: Male

DAY ON TEST:

DOSE: 000.1 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Trachea

Bronchus

Lymphocytic Inflammatory Infiltrate

Unspecified

Lymphocytic Inflammatory Infiltrate

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_001

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Bronchus

Abscess, Nos

Congestion, Nos

Degeneration, Muroid

Pleura Nos

Inflammation, Necrotizing

Bronchus

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_002

TRT#: 19
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
Fibrosis

Bronchus

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_009

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_010

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_011

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_013

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_014

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_015

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_016

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_017

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_018

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_020

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_022

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_023

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_025

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_026

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_029

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_032

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_033

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis
	Pleura Nos	Edema, Nos
	Bronchus	Inflammation, Nos
		Inflammation, With Fibrosis
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_034

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_035	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
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	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_036

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_038

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_042

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:30
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_043

TRT#: 19

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_045

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_046

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_047

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_049

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_050	TRT#: 19 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	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_054

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung		Abscess, Nos
	Bronchus	Bronchiectasis
		Congestion, Nos
		Fibrosis
		Hemorrhage
	Bronchus	Inflammation, Nos
	Pleura Nos	Inflammation, Nos
		Inflammation, Nos
		Sclerosis
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_055

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_056

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_061

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_062

TRT#: 19
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

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_063

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_064

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_065	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Kidney	Tubule	Degeneration, Nos	
Liver		Congestion, Nos	
		Fibrosis	
	Bile Duct	Hyperplasia, Nos	
		Necrosis, Nos	
Lung	Bronchus	Bronchiectasis	
		Congestion, Nos	
		Fibrosis	
		Hyperplasia, Atypical	
		Hyperplasia, Nos	
	Bronchus	Inflammation, Nos	
		Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
Trachea		Lymphocytic Inflammatory Infiltrate	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_067

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung

Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_069

TRT#: 19
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

Bronchus

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_070	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> 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	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_071

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_072

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_075

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_076

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_078

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Liver

Congestion, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_080

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_083

TRT#: 19
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
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_086

TRT#: 19
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Emphysema, Nos Hyperplasia, Nos
	Pleura Nos	Inflammation, Nos Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate
	Bronchus	Necrosis, Nos
Trachea		Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_087

TRT#: 19
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 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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_090

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_091	TRT#: 19 DOSE: 0	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Kidney Liver	Tubule	Degeneration, Nos Congestion, Nos Fibrosis	
Lung	Portal Tract	Lymphocytic Inflammatory Infiltrate Abscess, Nos	
	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	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_092

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_093

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Unspecified

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_096

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_097

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_098

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Bronchus	Bronchiectasis Edema, Nos Inflammation, Nos
Skin	Bronchus	Lymphocytic Inflammatory Infiltrate Abscess, Nos
Trachea		Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_099

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_100

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_101

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_102

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_103

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_104

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_106

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_108

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_109

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_110

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_111

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_112

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_113

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_116

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_117

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_118

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Scheduled Sacrifice

HISTO:

OBSERVATIONS

Spleen

Hypertrophy, Nos

Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_119

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_120

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Atrophy, Nos
	Pelvis	Calcification, Nos
	Tubule	Degeneration, Hyaline
	Pelvis	Dilatation, Nos
	Tubule	Dilatation, Nos
		Inflammation, Focal
Liver	Hepatic Sinusoid	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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_121

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_122

TRT#: 19
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_123

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_124	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
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	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_125

TRT#: 19
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		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_127

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_128	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> 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	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
Trachea		Hyperplasia, Atypical	
		Lymphocytic Inflammatory Infiltrate	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_129

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_130

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_132

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_133

TRT#: 19

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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_134

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_136

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_137

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_138

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Congestion, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate
		Abscess, Nos
Lung	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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_140

TRT#: 19
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Oral mucosa

Mouth Nos

Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_143

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_144

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_150

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_152

TRT#: 19
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
	Bronchus	Hyperplasia, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Inflammation, Nos
	Bronchus	Lymphoma, Nos-Malignant
Trachea		Hyperplasia, Nos

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_153

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Bronchus	Abscess, Nos Bronchiectasis Congestion, Nos Emphysema, Nos Hemorrhage Hyperplasia, Atypical
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate
Unspecified	Chest	Fibroma
	Multiple Organs Nos	Inflammation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_154	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
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	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_158

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_159

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_161

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_162

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_164

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Pleura Nos

Trachea

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_165	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> 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	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_166	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> 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	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_171

TRT#: 19
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

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_173

TRT#: 19

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Skin

Metamorphosis, Fatty

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_174

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_179

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_180

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_182

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_183

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_185

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_186

TRT#: 19
DOSE: 0

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung	Alveolar Epithelium	Cell-Shape Alteration
	Alveoli	Inflammation, Nos
	Bronchus	Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_187	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Lung	Bronchus Bronchus	Bronchiectasis Hyperplasia, Nos Inflammation, Nos	
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate Lymphocytic Inflammatory Infiltrate	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_189

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_192

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Kidney		Inflammation, Interstitial
Liver		Congestion, Nos Hyperplasia, Nos
	Portal Tract	Lymphocytic Inflammatory Infiltrate Necrosis, Nos
Lung		Congestion, Nos Edema, Nos Fibrosis Hemorrhage Hyperplasia, Nos
	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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_194	TRT#: 19 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	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_195	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/>			
OBSERVATIONS			
Lung	Bronchus	Bronchiectasis Edema, Nos	
	Bronchus	Inflammation, Nos Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
	Bronchus	Metaplasia, Squamous	
Trachea		Metaplasia, Squamous	
<hr/>			
PRIMARY CAUSE OF DEATH	-		
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_196

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_199

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_200

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_201

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_203

TRT#: 19
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
Perivasculitis
Lymphocytic Inflammatory Infiltrate

Trachea

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_207

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_210

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_212

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_213

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_214	TRT#: 19 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
OBSERVATIONS			
Kidney		Atrophy, Nos Degeneration, Hyaline	
	Glomerulus	Dilatation, Nos Dilatation, Nos	
Liver		Cytoplasmic Vacuolization	
Lung	Bronchus	Bronchiectasis Foam-Cell	
	Bronchus	Hyperplasia, Atypical Hyperplasia, Nos Inflammation, Nos	
	Bronchus	Lymphocytic Inflammatory Infiltrate	
	Bronchus	Metaplasia, Squamous	
Trachea		Hyperplasia, Nos Metaplasia, Squamous	
<hr/>			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_215

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_219

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_220

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_221

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Lung

Congestion, Nos

Edema, Nos

Alveoli

Foam-Cell

Bronchus

Lymphocytic Inflammatory Infiltrate

Trachea

Lymphocytic Inflammatory Infiltrate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_222

TRT#: 19
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
		Inflammation, Nos
Trachea	Bronchus	Lymphocytic Inflammatory Infiltrate
Unspecified	Multiple Organs Nos	Lymphocytic Inflammatory Infiltrate Lymphoma, Nos-Malignant

PRIMARY CAUSE OF DEATH

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_224

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_227

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_228

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_229

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_230

TRT#: 19
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: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_231

TRT#: 19
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

-

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_232

TRT#: 19
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

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_233

TRT#: 19
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

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
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P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_235

TRT#: 19
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

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_239

TRT#: 19
DOSE: 0

SEX: Male
DISP: Natural Death

DAY ON TEST:
HISTO:

OBSERVATIONS

Liver
Lung

Angiectasis
Edema, Nos
Inflammation, Focal
Leukocytosis, Nos
Lymphocytic Inflammatory Infiltrate
Fibrosarcoma

Unspecified

Bronchus
Abdomen

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: C06940
Test Type: Long-Term
Route: Inhalation
Species/Strain: Rat/Sprague Dawley

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(Chloromethyl) ether
CAS Number: 542-88-1

Date Report Requested: 10/26/2014
Time Report Requested: 11:14:31
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 19_240

TRT#: 19
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

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**** END OF REPORT ****