

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

C Number: C99028
Lock Date: 09/20/2005
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 04/09/2008

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 1 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404551 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|-------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Basophilic Focus TGLS = 1-12] | |
| | | [Hepatocellular Adenoma TGLS = 2-13] | |
| * Lung | Alveolus | Alveolar/Bronchiolar Carcinoma | |
| | | Infiltration Cellular | Histiocyte, Mild |
| | | Inflammation | Minimal |
| | | [Alveolar/Bronchiolar Carcinoma TGLS = 3-14] | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | | Basophilic Focus | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 1 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404551 |

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: 0 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|-----------------------------|--------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Brain | Ventricle | Inflammation | Mild |
| * Eye | Arteriole | Inflammation | Minimal |
| | Cornea | Inflammation | Minimal |
| | [Inflammation TGLS = 1-9] | | |
| * Heart | Artery | Inflammation | Moderate |
| * Kidney | | Cyst | Minimal |
| | | Hydronephrosis | Minimal |
| | Artery | Inflammation | Moderate |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| Mesentery | | | |
| Note: artery inflammation. | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Prostate | | Inflammation | Mild |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | SOA Dermis | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 2 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404552 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|-----------------------------|--------------|----------|
| SOA Epidermis | Ulcer | Mild |
| [Hyperplasia TGLS = 2-12] | Ulcer | Marked |
| [Ulcer TGLS = 3-13] | | |
| Zymbal's Gland | Cyst | Moderate |
| [Cyst TGLS = 4-14] | Inflammation | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 3 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404553 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|---|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Epididymis | | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3-14] | | |
| | [Hepatocellular Carcinoma TGLS = 1,2-12+13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-15] | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Urinary Bladder | | Mineralization | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4 TRT#: 1 SEX: Male DAY ON TEST: 730
DOSE: 0 MG/KG DISP: Terminal Sacrifice HISTO: 0404554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Necrosis | Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Hydronephrosis | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Tension Lipidosis | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 5 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404555 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | Tension Lipidosis | |
| | | | |
| | [Hepatocellular Adenoma TGLS = 3,4,5-5+12] | | |
| | [Mixed Cell Focus TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Spleen | | Atrophy | Minimal |
| | [Atrophy TGLS = 1-4] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404555

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| |
|-----------------|
| * Mammary Gland |
|-----------------|

OBSERVATIONS

| | | | |
|--|-------------|--------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Marked |
| | | Hyperplasia | Minimal |
| * Heart | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Hydronephrosis | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| [Clear Cell Focus TGLS = 5,6-3+4] | | | |
| [Hepatocellular Adenoma TGLS = 4-13] | | | |
| [Hepatocellular Carcinoma TGLS = 4-13] | | | |
| [Mixed Cell Focus TGLS = 3-12] | | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | Multiple |
| [Alveolar/Bronchiolar Carcinoma TGLS = 1,2-12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 6 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404556 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|---------------|--------------|---------|
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 539
DOSE: 0 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma | |
| * Lung | Hepatocyte | Vacuolization Cytoplasmic Alveolar/Bronchiolar Carcinoma Inflammation | Diffuse, Minimal Marked |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 1-12] | | |
| * Testes | Germinal Epith | Degeneration | Minimal |
| Tooth | | Dysplasia | Moderate |

PRIMARY CAUSE OF DEATH - Lung Inflammation
CONTRIBUTORY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404558 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|-------------|---|----------|
| * Adrenal Cortex | Capsule | Histiocytic Sarcoma | |
| | Subcapsular | Hyperplasia | Minimal |
| * Epididymis | | Histiocytic Sarcoma | |
| * Harderian Gland | | Histiocytic Sarcoma | |
| * Heart | | Histiocytic Sarcoma | |
| * Intestine Small, Jejunum | | Histiocytic Sarcoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Histiocytic Sarcoma | |
| | | Nephropathy | Mild |
| | | [Histiocytic Sarcoma TGLS = 10-4] | |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Histiocytic Sarcoma | |
| | | [Hepatocellular Adenoma TGLS = 3-13] | |
| | | [Hepatocellular Carcinoma TGLS = 2,4-12+14] | |
| * Lung | | Histiocytic Sarcoma | |
| Lymph Node | Lumbar | Histiocytic Sarcoma | |
| | Renal | Histiocytic Sarcoma | |
| | | Histiocytic Sarcoma | |

Note: TGL9 = axillary lymph node

[Histiocytic Sarcoma TGLS = 7-14]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 8 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404558 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------------|----------------|-------------------------------------|---------|
| [Histiocytic Sarcoma TGLS = 9-16] | | | |
| [Histiocytic Sarcoma TGLS = 6-13] | | | |
| * Lymph Node, Mandibular | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 5-12] | | | |
| * Lymph Node, Mesenteric | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 8-15] | | | |
| * Nose | Respirat Epith | Histiocytic Sarcoma Hyperplasia | Minimal |
| * Pancreas | | Histiocytic Sarcoma | |
| * Prostate | | Histiocytic Sarcoma | |
| * Salivary Glands | | Histiocytic Sarcoma | |
| * Seminal Vesicle | | Histiocytic Sarcoma | |
| * Spleen | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 1-4] | | | |
| * Testes | Germinal Epith | Degeneration Histiocytic Sarcoma | Minimal |
| * Thymus | | Histiocytic Sarcoma | |
| * Urinary Bladder | | Histiocytic Sarcoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 9 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404559 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Inflammation | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| Note: TGL=4-15 No Corresponding Lesion [Clear Cell Focus TGLS = 3-5+12+14] [Hepatocellular Adenoma TGLS = 1,2-12,13,15] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Note: 1 lung nodule missing (slide 16). [Alveolar/Bronchiolar Adenoma TGLS = 5,6-16+17] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Parathyroid Gland | | Cyst | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|---------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 9 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404559 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | |
|------------------------|---|
| PRIMARY CAUSE OF DEATH | - |
|------------------------|---|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|----------------------------|-------------------------|
| ANIMAL ID: 10 | TRT#: 1 | SEX: Male | DAY ON TEST: 633 |
| | DOSE: 0 MG/KG | DISP: Natural Death | HISTO: 0404560 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|---|------------------------|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1,2-12+13] | | |
| * Lung | Alveolus | Infiltration Cellular | Histiocyte, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---|-------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Necrosis Vacuolization Cytoplasmic | Minimal Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 2-13] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Prostate | | Hemangioma | |
| | Epithelium | Hyperplasia | Minimal |
| Tooth | | Odontoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|----------------------------|--|-----------------|
| * Adrenal Cortex | Subcapsular Subcapsular | Adenoma Hyperplasia Hypertrophy Adenoma | Mild Minimal |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma Mixed Cell Focus | Multiple |
| [Hepatocellular Adenoma TGLS = 3,4,5,6,7-13+14+15+16] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 2-12] | | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 13 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404563 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Inflammation | Mild |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | [Hepatocellular Adenoma TGLS = 3,4-13+14] | |
| | | [Hepatocellular Carcinoma TGLS = 2-12] | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| * Spleen | | Hemangiosarcoma | |
| | | [Hemangiosarcoma TGLS = 1-4] | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 14 | TRT#: 1 | SEX: Male | DAY ON TEST: 558 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404564 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|--------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Epicardium | Inflammation | Mild |
| * Kidney | | Nephropathy | Marked |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 694

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Eye | | Sarcoma | |
| | [Sarcoma TGLS = 2-9] | | |
| * Harderian Gland | | Sarcoma | |
| | [Sarcoma TGLS = 1-9] | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4-5+12] | Mixed Cell Focus | |
| | [Mixed Cell Focus TGLS = 5-13] | | |
| * Nose | | Inflammation | Mild |
| * Spleen | | Atrophy | Moderate |
| | [Atrophy TGLS = 6-4] | | |
| * Stomach, Forestomach | | Inflammation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 15 | TRT#: 1 | SEX: Male | DAY ON TEST: 694 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404565 |

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Harderian Gland Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 16 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404566 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Clear Cell Focus TGLS = 2-13] | | |
| | [Eosinophilic Focus TGLS = 3-14] | | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|---|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Bone Marrow | | Atrophy Hemorrhage | Moderate Mild |
| Note: marrow infarct suspected. | | | |
| * Eye | Cornea | Inflammation | Mild |
| * Harderian Gland | | Cyst | Marked |
| [Cyst TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus Tension Lipidosis | Multiple |
| [Hepatocellular Adenoma TGLS = 2,3-12+13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|---------------------------------------|----------------|---------------------------|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Clear Cell Focus TGLS = 1,2-12+13] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|--|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Carcinoma | Minimal Mild |
| * Harderian Gland | | Carcinoma | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Inflammation Mixed Cell Focus | Minimal |
| | | [Clear Cell Focus TGLS = 4,5-14+15] | |
| | | [Hepatocellular Adenoma TGLS = 3-3+13] | |
| | | [Mixed Cell Focus TGLS = 2-12] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Atrophy | Minimal |
| | | [Atrophy TGLS = 1-4] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 19 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404569 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|----------------|--------------|---------|
| * Testes | Germinal Epith | Degeneration | Minimal |
| Tooth | | Dysplasia | Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|---|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Clear Cell Focus TGLS = 2-13] | | |
| | [Vacuolization Cytoplasmic TGLS = 1-12] | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 578
DOSE: 0 MG/KG **DISP:** Natural Death **HISTO:** 0404571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|---------------------------|-------------------------|
| * Adrenal Cortex Note: 1 adrenal gland missing. | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hemangiosarcoma | |
| | | Hepatocellular Carcinoma | |
| [Hemangiosarcoma TGLS = 2-13] | | | |
| [Hepatocellular Carcinoma TGLS = 1-12] | | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------|--|------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLS = 2-9] | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4,5-12+13+14] | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Moderate |
| | SOA Dermis | Inflammation | Mild |
| | SOA Epidermis | Ulcer | Mild |
| | [Hyperplasia TGLS = 1-12] | | |
| * Stomach, Forestomach | | Ulcer | Mild |
| | [Ulcer TGLS = 6-13] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404572

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 23 | TRT#: 1 | SEX: Male | DAY ON TEST: 397 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404573 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Artery | Inflammation | Moderate |
| * Kidney | | Hydronephrosis | Mild |
| | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Pituitary Gland | Pars Intermed | Adenoma | |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Intermed Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-12] | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Necrosis | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 2,3,4,5-12+13+14+15] | | | |
| * Pituitary Gland | Pars Intermed | Cyst | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404574

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|----------------|---------------------------|----------------------------|
| * Adrenal Cortex | | Carcinoma | Metastatic (Thyroid Gland) |
| | Subcapsular | Hyperplasia | Mild |
| * Bone Marrow | | Carcinoma | Metastatic (Thyroid Gland) |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Carcinoma | Metastatic (Thyroid Gland) |
| | | Nephropathy | Minimal |
| * Liver | | Carcinoma | Metastatic (Thyroid Gland) |
| | | | [Carcinoma TGLS = 1-12] |
| * Lung | | Carcinoma | Metastatic (Thyroid Gland) |
| | Mediastinal | Carcinoma | Metastatic (Thyroid Gland) |
| | Pars Distalis | Hyperplasia | Minimal |
| * Pituitary Gland | | | |
| * Thyroid Gland | Follicular Cel | Carcinoma | |
| | | | [Carcinoma TGLS = 2-13] |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|----------------|--|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Intestine Small, Jejunum [Hyperplasia TGLS = 4-12] | Peyers Patch | Hyperplasia | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus | |
| [Clear Cell Focus TGLS = 1,2-12] | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| Mesentery [Hemangioma TGLS = 3-12] | | Hemangioma | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|--------------------------|---|------------------------------------|
| * Adrenal Cortex | Bilateral Subcapsular | Adenoma Hyperplasia Adenoma | Mild |
| * Harderian Gland | | | |
| [Adenoma TGLS = 5-9] | | | |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Vacuolization Cytoplasmic | Multiple Diffuse, Minimal |
| [Clear Cell Focus TGLS = 4-14] | Hepatocyte | | |
| [Hepatoblastoma TGLS = 3-13] | | | |
| [Hepatocellular Adenoma TGLS = 1,2-12+13] | | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404577

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 544

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0404578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- * Liver Hepatocellular Carcinoma
[Hepatocellular Carcinoma TGLS = 1-3+12]

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| * Kidney | Artery | Inflammation | Moderate |
| | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| | Hepatocyte | Necrosis | Minimal |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Nose | | Inflammation | Moderate |
| * Testes | Germinal Epith | Degeneration | Minimal |
| Tooth | | Dysplasia | Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Epididymis | | Inflammation | Mild |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Tension Lipidosis | |
| | | [Clear Cell Focus TGLS = 2,3-12+13] | |
| | | [Hepatocellular Adenoma TGLS = 1,4-4+13] | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Mild |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Spleen | | Hemangiosarcoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404580

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|----------------|--------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| * Epididymis | | Inflammation | Minimal |
| * Eye | | | |
| Note: optic nerve in slide 2. | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Marked |
| [Nephropathy TGLS = 3-4] | | | |
| * Liver | | Hepatocellular Carcinoma | Multiple |
| [Hepatocellular Carcinoma TGLS = 1,2-12+13] | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|---------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 3-9] | | | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Hydronephrosis | Minimal |
| | | Inflammation | Mild |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| [Hepatocellular Carcinoma TGLS = 1,2-12+13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 33 | TRT#: 1 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404583 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | |
|------------------|-------------------|-----------------|
| * Adrenal Cortex | * Adrenal Medulla | * Mammary Gland |
|------------------|-------------------|-----------------|

OBSERVATIONS

| | | | |
|--|----------------|---------------------------|------------------|
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| * Preputial Gland | Duct | Ectasia | Mild |
| [Ectasia TGLS = 1-8] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 34 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404584 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-13] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 3-12] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Skin | SOA Dermis | Fibrosis | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 499

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0404585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Intestine Small, Duodenum | Epithelium | Necrosis | Moderate |
| [Necrosis TGLS = 3-13] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Infarct | Moderate |
| | | Inflammation | Moderate |
| [Hepatocellular Adenoma TGLS = 1,2-12+13] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |

PRIMARY CAUSE OF DEATH

- Liver Infarct

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|---|----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy | Mild Minimal Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 5-9] | | | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| [Hepatocellular Adenoma TGLS = 4,6,7-14] | | | |
| [Hepatocellular Carcinoma TGLS = 2,3-13+15] | | | |
| * Lymph Node, Mesenteric | | Hemorrhage | Moderate |
| * Nose | | Inflammation | Minimal |
| * Skin | SOA Dermis | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 1-12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 36 | TRT#: 1 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404586 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|----------------|--------------|---------|
| * Testes | Germinal Epith | Degeneration | Minimal |
| PRIMARY CAUSE OF DEATH | - | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|------------------------------|------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--|-------------------------|------------------------|----------|
| * Adrenal Cortex | | Degeneration | Mild |
| | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| Note: X-zone degeneration. | | | |
| * Bone | Cartilage, Femur, Joint | Hyperplasia | Mild |
| | Femur, Joint | Inflammation | Minimal |
| * Epididymis | | Atrophy | Mild |
| * Kidney | | Inflammation | Mild |
| | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Ito Cell Tumor Benign | |
| [Hepatocellular Adenoma TGLS = 5,6,8-13+14+16] | | | |
| [Ito Cell Tumor Benign TGLS = 7-15] | | | |
| * Mammary Gland | | Carcinoma | |
| | Duct | Dilatation | Mild |
| [Carcinoma TGLS = 10-15] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 9-14] | | | |
| * Prostate | | Atrophy | Moderate |
| [Atrophy TGLS = 3-8] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 38 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404588 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|----------------------------------|---|------------------|
| * Seminal Vesicle [Atrophy TGLS = 2-7] | | Atrophy | Marked |
| * Spleen [Hemangiosarcoma TGLS = 4-13] | | Hemangiosarcoma | |
| * Testes | Interstit Cell Germinal Epith | Adenoma Degeneration Mineralization | Moderate Mild |
| Note: one testis missing. [Degeneration TGLS = 1-7] | | | |
| * Thyroid Gland | | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

-

Animal Note: uterus and 1 ovary (with associated epididymis) noted on slide 12.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39 TRT#: 1 SEX: Male DAY ON TEST: 730
DOSE: 0 MG/KG DISP: Terminal Sacrifice HISTO: 0404589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland * Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|---|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma Tension Lipidosis | Multiple |
| [Clear Cell Focus TGLS = 4-14] [Hepatocellular Adenoma TGLS = 1,3-3+13] [Hepatocellular Carcinoma TGLS = 2-12] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| [Alveolar/Bronchiolar Adenoma TGLS = 5-14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 40 | TRT#: 1 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404590 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|----------|
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Clear Cell Focus TGLS = 3-14] | | |
| | [Hepatocellular Adenoma TGLS = 1,2,4-12+13+15] | | |
| * Pancreas | Acinus | Atrophy | Minimal |
| | Acinus | Hyperplasia | Mild |
| * Preputial Gland | Duct | Ectasia | Mild |
| | [Ectasia TGLS = 5-8] | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 707

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0404591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland * Thymus

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | Hepatocyte | Necrosis | Mild |
| | [Hepatocellular Carcinoma TGLS = 2,3-12] | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| | [Ectasia TGLS = 1-8] | | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 42 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404592 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|--|---------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy Nephropathy Clear Cell Focus Hepatocellular Adenoma | Mild Minimal Mild Mild |
| * Kidney | | | |
| * Liver | | | |
| | [Clear Cell Focus TGLS = 2-13] | | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-15] | | |
| Tongue | | Mineralization | Moderate |
| | [Mineralization TGLS = 3-14] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|--|----------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Clear Cell Focus TGLS = 3-14] | |
| | | [Hepatocellular Adenoma TGLS = 2,4-13+15] | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | [Alveolar/Bronchiolar Carcinoma TGLS = 1-12] | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 44 | TRT#: 1 | SEX: Male | DAY ON TEST: 461 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404594 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|---------------------------|------------------------------|
| * Adrenal Cortex | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Eye | | Carcinoma | Metastatic (Harderian Gland) |
| | Cornea | Inflammation | Marked |
| | Retrobulbar | Inflammation | Marked |
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-12] | | | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | Tension Lipidosis | |
| * Lung | | Carcinoma | Metastatic (Harderian Gland) |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 533

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|-------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| * Eye | | | |
| Note: optic nerves missing | | | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 3-12] | | | |
| * Nose | | Inflammation | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 533

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404595

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 730
DOSE: 0 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|----------------|----------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Epididymis | | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | | [Clear Cell Focus TGLS = 1-12] | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404596

ORGAN AND ACCOUNTABLE SITE STATUS

Interstit Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 730

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Salivary Glands |
| * Seminal Vesicle | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|---------------|--|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Moderate |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | [Clear Cell Focus TGLS = 2,3-13+14] | |
| | | [Hepatocellular Adenoma TGLS = 1,4-12] | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Epidermis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 47 | TRT#: 1 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404597 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|-------|-----------|--------|
| Tooth | Dysplasia | Marked |
|-------|-----------|--------|

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 495

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 0404598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | |
|----------------------|--------------------------|----------|
| * Islets, Pancreatic | Hyperplasia | Minimal |
| * Kidney | Mineralization | Minimal |
| | Nephropathy | Mild |
| * Liver | Eosinophilic Focus | |
| | Hepatocellular Carcinoma | Multiple |

[Eosinophilic Focus TGLS = 3-14]

[Hepatocellular Carcinoma TGLS = 1,2+12+13]

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 533

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-----------------------------|---------------|------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 2-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Moderate |
| | SOA Epidermis | Ulcer | Mild |
| [Hyperplasia TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH

- Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|----------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Necrosis | Minimal |
| Note: hepatocellular adenoma also evident on slide 4. | | | |
| [Hepatoblastoma TGLS = 2-12] | | | |
| [Hepatocellular Adenoma TGLS = 4-14] | | | |
| [Hepatocellular Carcinoma TGLS = 3-13] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Interstit Cell | Adenoma | |
| [Adenoma TGLS = 1-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404600

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatoblastoma | Multiple |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |

[Hemangiosarcoma TGLS = 2-17]

[Hepatoblastoma TGLS = 3,4-14+15]

[Hepatocellular Adenoma TGLS = 1,3,4,5,6-12+13+14+15+16]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 52

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Eosinophilic Focus TGLS = 4-15] | | |
| | [Hepatocellular Adenoma TGLS = 1,2,3-12+13+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 5-13] | | |
| * Pancreas | Duct | Cyst | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 150 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

| | | | |
|-----------------------------|----------------|--------------|----------|
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Inflammation | Moderate |
| | | Ulcer | Moderate |
| [Hyperplasia TGLS = 1-12] | | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 54 | TRT#: 3 | SEX: Male | DAY ON TEST: 521 |
| | DOSE: 150 MG/KG | DISP: Natural Death | HISTO: 0404604 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|-------------|---------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| [Nephropathy TGLS = 1-4] | | | |
| * Liver | Hepatocyte | Hepatocellular Carcinoma | Moderate |
| | Hepatocyte | Necrosis | |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| [Hepatocellular Carcinoma TGLS = 2-12] | | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymsus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Harderian Gland | | Carcinoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Clear Cell Focus TGLS = 4-14] | | | |
| [Hepatocellular Adenoma TGLS = 1,2,3-12+13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| [Alveolar/Bronchiolar Adenoma TGLS = 5-15] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404605

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose

Carcinoma

Metastatic (Harderian Gland)

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | | [Clear Cell Focus TGLS = 2-13] | |
| | | [Eosinophilic Focus TGLS = 2-13] | |
| | | [Hepatocellular Adenoma TGLS = 1-12] | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Prostate | Epithelium | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57

TRT#: 3

SEX: Male

DAY ON TEST: 631

DOSE: 150 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Hepatocyte | Hypertrophy | Minimal |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Inflammation | Moderate |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 1-12] | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Moderate |

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Inflammation

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 58

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 1,2-12+13] | | | |
| * Stomach, Forestomach | | Hemangioma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|--|---|--|
| ANIMAL ID: 59 | TRT#: 3 DOSE: 150 MG/KG | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 729 HISTO: 0404609 |
|----------------------|--|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Hydronephrosis | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | [Clear Cell Focus TGLS = 3-14] | |
| | | [Hepatocellular Adenoma TGLS = 2,4-13+15] | |
| Mesentery | | Necrosis | Moderate |
| | | [Necrosis TGLS = 1-12] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60

TRT#: 3

SEX: Male

DAY ON TEST: 589

DOSE: 150 MG/KG

DISP: Natural Death

HISTO: 0404610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---|--|--|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Minimal |
| * Heart | Myocardium Myocardium Myocardium Myocardium | Cardiomyopathy Fibrosis Infiltration Cellular Vacuolization Cytoplasmic | Minimal Minimal Mononuclear CI, Minimal Minimal |
| * Intestine Small, Jejunum [Carcinoma TGLS = 4-12] | | Carcinoma | |
| * Liver | Hepatocyte [Hepatocellular Adenoma TGLS = 1,2,3-4+12+13] | Hepatocellular Adenoma Vacuolization Cytoplasmic | Multiple Diffuse, Mild |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia Inflammation | Mild Mild |

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61 TRT#: 3 SEX: Male DAY ON TEST: 728
DOSE: 150 MG/KG DISP: Terminal Sacrifice HISTO: 0404611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|-------------|--|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| Note: cyst (focal) found at cortex/medulla junction. | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Hemangiosarcoma | Mild Minimal |
| * Bone Marrow | | | |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus | Multiple |
| | [Hepatocellular Adenoma TGLS = 2,3-12+13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-12] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-13] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404612

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLS = 2,3-12+13] | | |
| | [Hepatocellular Carcinoma TGLS = 1-14] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 64 | TRT#: 3 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404614 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyms | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Adenoma | Mild Minimal |
| * Harderian Gland | | | |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Liver | | Basophilic Focus Clear Cell Focus Hepatocellular Adenoma Mixed Cell Focus | Multiple |

[Clear Cell Focus TGLS = 2-17]

[Hepatocellular Adenoma TGLS = 1,3,4,5,6,7-12+13+14+15+16]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLS = 2,4-5+14] | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Hepatocellular Carcinoma TGLS = 3-13] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| | [Ectasia TGLS = 5-8] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | | | |
|---------------|-----------------|---------------------|--|
| * Gallbladder | * Mammary Gland | * Parathyroid Gland | |
|---------------|-----------------|---------------------|--|

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatoblastoma TGLS = 2-13] | | |
| | [Hepatocellular Adenoma TGLS = 1,2,3-12+13+14] | | |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|---------------------------------------|--------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Inflammation | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 1-4] | | | |
| * Lung | Perivascular | Cyst | Minimal |
| * Prostate | Epithelium | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404617

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Medulla
- * Brain
- * Gallbladder
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Preputial Gland
- * Skin
- * Testes
- * Urinary Bladder

- Blood Vessel
- * Epididymis
- * Harderian Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Prostate
- * Spleen
- * Thymus

- * Bone
- * Esophagus
- * Heart
- * Intestine Small, Duodenum
- * Lung
- * Pancreas
- * Salivary Glands
- * Stomach, Forestomach
- * Thyroid Gland

- * Bone Marrow
- * Eye
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pituitary Gland
- * Seminal Vesicle
- * Stomach, Glandular
- * Trachea

MISSING

- * Mammary Gland
- * Parathyroid Gland

OBSERVATIONS

- * Adrenal Cortex
- * Kidney
- * Liver

- Subcapsular
- Hepatocyte

- Hyperplasia
- Hypertrophy
- Nephropathy
- Clear Cell Focus
- Eosinophilic Focus
- Hepatocellular Adenoma
- Vacuolization Cytoplasmic

- Mild
- Moderate
- Minimal
- Diffuse, Minimal

[Clear Cell Focus TGLS = 1-4]

[Hepatocellular Adenoma TGLS = 2-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 495

DOSE: 150 MG/KG

DISP: Natural Death

HISTO: 0404619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------|--------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Bone Marrow | * Brain | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|-------------|------------------------------|---------|
| * Adren Cortex | | | |
| Note: 1 adrenal gland missing. | | | |
| * Epididymis | | Lymphoma Malignant | |
| * Heart | Myocardium | Mineralization | Minimal |
| * Intestine Large, Cecum | | Lymphoma Malignant | |
| * Intestine Large, Colon | | Lymphoma Malignant | |
| * Intestine Small, Ileum | | Lymphoma Malignant | |
| * Intestine Small, Jejunum | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-14] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-13] | | | |
| Mesentery | Fat | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 5-6] | | | |
| * Pancreas | | Lymphoma Malignant | |
| * Seminal Vesicle | | Lymphoma Malignant | |
| * Skin | Subcut Tiss | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1,2-4+12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 69 | TRT#: 3 | SEX: Male | DAY ON TEST: 495 |
| | DOSE: 150 MG/KG | DISP: Natural Death | HISTO: 0404619 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|----------------|--------------------|---------|
| * Testes | Germinal Epith | Degeneration | Minimal |
| * Thymus | | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH - Spleen Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 70 | TRT#: 3 | SEX: Male | DAY ON TEST: 611 |
| | DOSE: 150 MG/KG | DISP: Natural Death | HISTO: 0404620 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Hepatocellular Carcinoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Hepatocellular Adenoma TGLS = 2,3-13+14] | | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 656

DOSE: 150 MG/KG

DISP: Natural Death

HISTO: 0404621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | | Infarct | Moderate |
| | [Hepatocellular Carcinoma TGLS = 4-14] | | |
| | [Infarct TGLS = 3-13] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 2-12] | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| | [Ectasia TGLS = 1-8] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 150 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|--|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Minimal Mild |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 5-9] | | | |
| * Kidney | | Infarct Mineralization | Minimal Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| [Hepatocellular Carcinoma TGLS = 3-13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma Inflammation | Multiple Moderate |
| [Alveolar/Bronchiolar Adenoma TGLS = 4,6-12+14] | | | |
| * Preputial Gland | Duct | Ectasia | Mild |
| [Ectasia TGLS = 1-8] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 72 | TRT#: 3 | SEX: Male | DAY ON TEST: 701 |
| | DOSE: 150 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404622 |

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|---|--|---|--------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic Carcinoma | Mild Mononuclear CI, Mild Mild |
| * Intestine Small, Jejunum | | | |
| [Carcinoma TGLS = 6-12] | | | |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | Serosa | Hepatocellular Adenoma Inflammation Mixed Cell Focus | Multiple Minimal |
| [Hepatocellular Adenoma TGLS = 1,3-13+14] | | | |
| [Inflammation TGLS = 4-4] | | | |
| [Mixed Cell Focus TGLS = 2-5] | | | |
| * Preputial Gland | | Inflammation | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404623

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 5-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-----------------------------|-------------|----------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Lymph Node, Mesenteric | | Hyperplasia | Plasma Cell, Mild |
| [Hyperplasia TGLS = 2-12] | | | |
| * Pancreas | Artery | Inflammation | Mild |
| * Preputial Gland | Duct | Ectasia | Moderate |
| [Ectasia TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 75 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404625 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|-------------|------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-12] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| [Hepatocellular Adenoma TGLS = 4-13] | | Hepatocellular Adenoma | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| [Hyperplasia TGLS = 5-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 2-12] | | | |
| * Pancreas | Duct | Cyst | Marked |
| [Cyst TGLS = 3-13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 76 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404626 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|-------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |

[Hepatocellular Adenoma TGLS = 1,2-3+12+13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 77 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404627 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4,5,6,7-12+13+14+15+16] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| | [Alveolar/Bronchiolar Adenoma TGLS = 2,8-13+14] | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 150 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| | [Hepatocellular Carcinoma TGLS = 1-13] | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: 150 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--|--------------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Alveolar/Bronchiolar Carcinoma | Metastatic (Lung) |
| | | Mineralization | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolar Epith | Hyperplasia | Minimal |
| | Serosa | Hyperplasia | Mild |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| | Mediastinum | Inflammation | Mild |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

- Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 729
DOSE: 150 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |

[Eosinophilic Focus TGLS = 2-13]
[Hepatocellular Adenoma TGLS = 3,4-14+15]
[Mixed Cell Focus TGLS = 1-12]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 81 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404631 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|--|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Moderate |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 2,3,4-12+13+14] | | | |
| * Pituitary Gland | Pars Intermed | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|-------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Tension Lipidosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |

[Hepatocellular Adenoma TGLS = 1,2-12+13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 83 | TRT#: 3 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404633 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-12] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| [Clear Cell Focus TGLS = 4-15] | | | |
| [Hepatocellular Adenoma TGLS = 3,5-12+14] | | | |
| [Hepatocellular Carcinoma TGLS = 2-13] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|--------------|---|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Adenoma | Mild Minimal |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-12] | | | |
| * Intestine Small, Jejunum | Peyers Patch | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-13] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization Nephropathy | Minimal Mild |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Vacuolization Cytoplasmic | |
| [Clear Cell Focus TGLS = 2-13] | Hepatocyte | | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 2-13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| [Alveolar/Bronchiolar Adenoma TGLS = 5,6-14+15] | | | |
| * Pancreas | | Carcinoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404634

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 4-12]

Tooth

Dysplasia

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4,5,6,7-3+12+13+14+15+16] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 2-12] | | |
| * Spleen | | Atrophy | Minimal |
| | [Atrophy TGLS = 1-4] | | |
| * Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|-------------------------|
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Necrosis | Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Infiltration Cellular | Mononuclear CI, Mild |
| | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Mild |
| | [Hepatocellular Adenoma TGLS = 2-13] | | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Hepatocellular Carcinoma TGLS = 3-13] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 87 | TRT#: 3 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404637 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Mild |
| | | Inflammation | Mild |
| * Liver | | Nephropathy | Mild |
| | | Angiectasis | Mild |
| | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | [Angiectasis TGLS = 2-12] | | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:26

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Natural Death

HISTO: 0404638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|---|-------------------------|
| * Adrenal Cortex | | Lymphoma Malignant | |
| * Bone Marrow | | Angiectasis | Moderate |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | | [Hepatocellular Adenoma TGLS = 5,6-14+15] | |
| | | [Hepatocellular Carcinoma TGLS = 3,4,7-12+13+16] | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | [Hepatocellular Carcinoma TGLS = 12,13,14,15,16,17,18-16+17+18+19+20] | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Pancreatic | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 88 | TRT#: 3 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 150 MG/KG | DISP: Natural Death | HISTO: 0404638 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|-------------------------------------|-------|--------------------|
| | Renal | Lymphoma Malignant |
| [Lymphoma Malignant TGLS = 11-15] | | |
| [Lymphoma Malignant TGLS = 10-14] | | |
| [Lymphoma Malignant TGLS = 9-13] | | |
| [Lymphoma Malignant TGLS = 8-12] | | |
| * Spleen | | Lymphoma Malignant |
| [Lymphoma Malignant TGLS = 2-4] | | |

| | | |
|-----------------------------|---------|--|
| PRIMARY CAUSE OF DEATH | - Liver | Hepatocellular Carcinoma |
| CONTRIBUTORY CAUSE OF DEATH | - Lung | Hepatocellular Carcinoma Liver;Spleen Lymphoma Malignant |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 89 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404639 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

| | | | |
|------------------|---|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLS = 1,3-12+13] | | |
| | [Hepatocellular Carcinoma TGLS = 2-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Thrombosis | Minimal |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90 **TRT#:** 3 **SEX:** Male **DAY ON TEST:** 728
DOSE: 150 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Intestine Large, Cecum | | Carcinoma | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | | |
| [Hepatocellular Adenoma TGLS = 1,2,3,4-3+12+13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Mediastinum | Hemangioma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 729

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|-------------|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| Note: TGL 3 = NCL (No Corresponding Lesion) | | | |
| [Hepatoblastoma TGLS = 2-13] | | | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| [Hepatocellular Carcinoma TGLS = 4-14] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| [Alveolar/Bronchiolar Adenoma TGLS = 5-13] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 91 | TRT#: 3 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404641 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------|---------------|----------|------|
| Tooth | Peridont Tiss | Fibrosis | Mild |
|-------|---------------|----------|------|

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 92 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404642 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Hemangiosarcoma | |
| * Harderian Gland | | Adenoma | |
| | [Adenoma TGLS = 1-12] | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Infarct | Marked |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| | [Infarct TGLS = 3-13] | | |
| Tooth | | Dysplasia | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocholangiocarcinoma | |
| | [Hepatocholangiocarcinoma TGLS = 3-13+14] | | |
| Mesentery | | Necrosis | Moderate |
| | Note: Mesentery necrosis found on slide 6. | | |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Moderate |
| | SOA Epidermis | Ulcer | Moderate |
| | | Ulcer | Marked |
| | [Ulcer TGLS = 2-13] | | |
| | [Ulcer TGLS = 1-12] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 93 | TRT#: 3 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404643 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|----------------|--------------|---------|
| * Testes | Germinal Epith | Degeneration | Minimal |
|----------|----------------|--------------|---------|

| | |
|------------------------|---|
| PRIMARY CAUSE OF DEATH | - |
|------------------------|---|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--|--------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | Inflammation | Moderate |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 2-12] | | |
| | [Inflammation TGLS = 3-3] | | |
| * Nose | | Inflammation | Moderate |
| * Preputial Gland | | Inflammation | Moderate |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 4-12] | | |
| * Testes | Germinal Epith | Degeneration | Moderate |
| | | Mineralization | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404644

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|----------------|------------------------------|---------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| [Hepatocellular Adenoma TGLS = 5-13] | | | |
| [Hepatocellular Carcinoma TGLS = 4-12] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Skin | | Keratoacanthoma | |
| [Keratoacanthoma TGLS = 3-14] | | | |
| * Testes | Interstit Cell | Adenoma | |
| [Adenoma TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|-------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Clear Cell Focus TGLS = 5-5+14] | | | |
| [Hepatocellular Adenoma TGLS = 1,2,3,4-12+13+14] | | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 150 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Epididymis | | Granuloma Sperm | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Necrosis | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Clear Cell Focus TGLS = 1-12] | | |
| | [Hemangiosarcoma TGLS = 3-14] | | |
| | [Hepatocellular Adenoma TGLS = 2,3,4,5,6-13+14+15+16+17] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 7-18] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 97 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404647 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------|----------------|--------------|------|
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 98 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404648 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|--|--|--|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Heart | Myocardium Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Necrosis Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst Mineralization Nephropathy | Minimal Minimal Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma | |
| | [Clear Cell Focus TGLS = 3-14] [Hepatocellular Adenoma TGLS = 2-13] [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Nose | | Inflammation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 98 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404648 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|-------------------|--------------|--------|
| * Preputial Gland | Inflammation | Marked |
|-------------------|--------------|--------|

| | |
|-------------------------------|---|
| PRIMARY CAUSE OF DEATH | - |
|-------------------------------|---|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 99 | TRT#: 3 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 150 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404649 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--|--------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 1-12] | | |
| * Stomach, Forestomach | | Erosion | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 168

DOSE: 150 MG/KG

DISP: Natural Death

HISTO: 0404650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 101 | TRT#: 5 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 300 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404651 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1,2,3,4-3+12+13+14+15] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|-------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst | Minimal |
| | | Inflammation | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| [Cyst TGLS = 1-15] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Necrosis | Minimal |
| [Hemangiosarcoma TGLS = 4-3+14] | | | |
| [Hepatocellular Adenoma TGLS = 2-13] | | | |
| [Hepatocellular Carcinoma TGLS = 3-12] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Inflammation | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | Hepatocyte | Necrosis | Mild |
| | [Eosinophilic Focus TGLS = 5-16] | | |
| | [Hepatocellular Adenoma TGLS = 1,3,4-12+14+15] | | |
| | [Hepatocellular Carcinoma TGLS = 2-13] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| Tooth | Peridont Tiss | Fibrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404653

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 104 | TRT#: 5 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 300 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404654 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 1-3+12] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Thyroid Gland | Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|------------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Clear Cell Focus TGLS = 1-14] | | |
| | [Hepatocellular Adenoma TGLS = 2,3,4,5-12+13+15+16] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 6-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 451

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|------------------|---------------------------------|---------------------------|-------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| * Epididymis | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Osteosarcoma TGLS = 2-3+4+5] | | |
| * Lung | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| | [Osteosarcoma TGLS = 3-13] | | |
| Lymph Node | Mediastinal | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| Mesentery | | Osteosarcoma | Metastatic (Uncertain Primary Site) |
| | [Osteosarcoma TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH - Lung Osteosarcoma Uncertain Primary Site

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|------------------------|---------------|---|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Mixed Cell Focus Tension Lipidosis | Multiple |
| | | [Hepatocellular Adenoma TGLS = 3,4,5,6,7-12+13+14+15] [Hepatocellular Carcinoma TGLS = 2-13] | |
| Mesentery | | Necrosis | Moderate |
| | | [Necrosis TGLS = 1-12] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia Ulcer | Moderate Moderate |
| | | [Hyperplasia TGLS = 8-12] [Ulcer TGLS = 8-12] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404657

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Necrosis | Minimal |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |

[Clear Cell Focus TGLS = 3-13]
[Eosinophilic Focus TGLS = 3-13]
[Hepatocellular Adenoma TGLS = 1,2,4,5-12+14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Inflammation | Minimal |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------------------|---|----------------------------------|
| * Adrenal Cortex | Subcapsular Subcapsular | Adenoma Hyperplasia Hyperplasia Hypertrophy Hyperplasia | Mild Mild Mild Moderate |
| * Islets, Pancreatic | | Cyst | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma Mixed Cell Focus | Multiple |
| [Hepatocellular Adenoma TGLS = 1,2,3,4-3+12+13+14] | | | |
| * Nose | Respirat Epith | Hyperplasia | Minimal |
| * Preputial Gland | | Inflammation | Marked |
| [Inflammation TGLS = 5-8] | | | |
| * Thyroid Gland | Follicle | Cyst | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Preputial Gland |
| * Prostate | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Testes | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|--|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | | Hemangiosarcoma | |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | [Clear Cell Focus TGLS = 5-13] | |
| | | [Hepatocellular Adenoma TGLS = 3,4-12+13] | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | [Alveolar/Bronchiolar Carcinoma TGLS = 1-12] | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404661

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle
[Dilatation TGLS = 2-7]

Dilatation

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Clear Cell Focus TGLS = 3-13] | | |
| | [Hepatocellular Adenoma TGLS = 1,2-12] | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

| | | | |
|---|-------------|---------------------------|------------------|
| * Adrenal Cortex Note: 1 adrenal gland missing | Subcapsular | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Hepatocellular Adenoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Clear Cell Focus TGLS = 1,2,3-12+13] | | | |
| [Hepatocellular Adenoma TGLS = 3-13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma | Multiple |
| [Clear Cell Focus TGLS = 5-12] | | | |
| [Hepatocellular Adenoma TGLS = 2,3,4-13+14+15] | | | |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 1-12] | | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--|---------------------------|
| * Adrenal Cortex | Subcapsular Subcapsular | Adenoma Hyperplasia Hyperplasia Hyperplasia | Moderate Mild Mild |
| * Islets, Pancreatic | | Clear Cell Focus Eosinophilic Focus | |
| * Liver | Hepatocyte | Hepatocellular Adenoma Vacuolization Cytoplasmic | Multiple Diffuse, Mild |
| | [Hepatocellular Adenoma TGLS = 1,2-12+13] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 3-12] | | |
| * Pancreas | Acinus | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Clear Cell Focus TGLS = 1-12] | |
| | | [Hepatocellular Adenoma TGLS = 2,4-13+14] | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | [Alveolar/Bronchiolar Adenoma TGLS = 3-12] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Thrombosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Clear Cell Focus TGLS = 3-14] | | |
| | [Eosinophilic Focus TGLS = 4-15] | | |
| | [Hepatocellular Adenoma TGLS = 2,5-13+16] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404667

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|-------------|-----------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pancreas | Duct | Cyst | Mild |
| * Spleen | | Hemangiosarcoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | [Clear Cell Focus TGLS = 4-14] | | |
| | [Hepatocellular Adenoma TGLS = 1,2,3-12+13+15] | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:26
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---------------------------------|-------------|--------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| Blood Vessel | Adventitia | Inflammation | Mild |
| * Esophagus | | Inflammation | Marked |
| | | Ulcer | Marked |
| * Heart | Epicardium | Inflammation | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Hepatocyte | Necrosis | Mild |
| * Lymph Node, Mesenteric | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 2-12] | | | |
| Mesentery | | Inflammation | Mild |
| * Nose | | Inflammation | Mild |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Stomach, Glandular | Serosa | Inflammation | Mild |
| * Thymus | | Inflammation | Mild |

PRIMARY CAUSE OF DEATH - Lymph Node, Mesenteric Hemangiosarcoma

CONTRIBUTORY CAUSE OF DEATH - Esophagus Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404670

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Hydronephrosis | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | Hepatocyte | Necrosis | Minimal |
| | [Clear Cell Focus TGLS = 1,2-12+13] | | |
| | [Eosinophilic Focus TGLS = 1-12] | | |
| | [Hepatoblastoma TGLS = 3-14] | | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404671

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|----------------------------------|--------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Heart | Artery | Inflammation | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Hydronephrosis | Mild |
| | Artery | Inflammation | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | [Clear Cell Focus TGLS = 2-12] | | |
| Mesentery | | Necrosis | Mild |
| | [Necrosis TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|-----------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Epididymis | | Inflammation | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Hemangiosarcoma | |

[Hemangiosarcoma TGLS = 1-12]

PRIMARY CAUSE OF DEATH

- Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Nose | * Pancreas | * Pituitary Gland |
| * Preputial Gland | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Trachea | * Urinary Bladder | | |

MISSING

| | | | |
|---------------|-----------------|---------------------|----------|
| * Gallbladder | * Mammary Gland | * Parathyroid Gland | * Thymus |
|---------------|-----------------|---------------------|----------|

OBSERVATIONS

| | | | |
|--------------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLS = 1,2,3-12+13+14] | | |
| * Lymph Node, Mesenteric | | Hyperplasia | Lymphoid, Mild |
| * Prostate | Epithelium | Hyperplasia | Mild |
| * Thyroid Gland | Follicular Cel | Adenoma | |
| Tooth | | Odontoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Mineralization | Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Fibrosis | Mild |
| | | Hemangiosarcoma | |
| | | Histiocytic Sarcoma | |
| | Oval Cell | Hyperplasia | Mild |
| | | Inflammation | Mild |
| | Hepatocyte | Necrosis | Moderate |
| | | Thrombosis | Moderate |

[Eosinophilic Focus TGLS = 1-12]

[Hemangiosarcoma TGLS = 5-15]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404675

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 2,3,4-13+14+15]

* Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

* Prostate

Inflammation

Mild

Tooth

Inflammation

Marked

Odontoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| | Mesentery | Necrosis | Moderate |
| | [Necrosis TGLS = 2-12] | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 3-14] | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 2-13] | | |
| Mesentery | | Inflammation | Mild |
| | [Inflammation TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Thyroid Gland | Follicular Cel | Adenoma | |
| | [Adenoma TGLS = 4-3] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 661

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infarct | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | | [Clear Cell Focus TGLS = 1-4+12] | |
| | | [Eosinophilic Focus TGLS = 2-3] | |
| | | [Hepatocellular Adenoma TGLS = 2-12] | |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

| | | | |
|-------------------|---------------|------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404680

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| [Hepatoblastoma TGLS = 2-14] | | | |
| [Hepatocellular Adenoma TGLS = 4-12] | | | |
| [Hepatocellular Carcinoma TGLS = 3-13] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| Tooth | Peridont Tiss | Fibrosis | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|---|----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Adenoma | Moderate Mild |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-12] | | | |
| * Kidney | | Inflammation Mineralization Nephropathy | Minimal Minimal Mild |
| * Liver | | Hemangiosarcoma Hepatocellular Adenoma | Multiple |
| | Oval Cell | Hyperplasia Inflammation | Minimal Minimal |
| | Hepatocyte | Necrosis | Minimal |
| [Hemangiosarcoma TGLS = 2,3,5,6,8-12+13+16+17+18] | | | |
| [Hepatocellular Adenoma TGLS = 4,7-14+15] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404681

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Clear Cell Focus TGLS = 4,5-4+13+14] | |
| | | [Hepatocellular Adenoma TGLS = 2,3,4-3+12+14+15] | |
| * Lung | Alveolar/Bronchiolar Carcinoma | Hyperplasia | Mild |
| | Alveolar Epith | | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 1-13] | | |
| * Pancreas | Duct | Cyst | Minimal |
| | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404682

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 300 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| Blood Vessel | Adventitia | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | Multiple |
| | [Hepatocellular Carcinoma TGLS = 1,2-3+12+13] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Hepatocellular Carcinoma TGLS = 3,4,5,6,7-12+13+14] | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 300 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404683

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 134 | TRT#: 5 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 300 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404684 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|----------------|---|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Granuloma Sperm | Mild Mild Moderate |
| * Epididymis | | Adenoma | |
| * Harderian Gland | | Nephropathy | Minimal |
| * Kidney | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus Tension Lipidosis | |
| * Liver | | | Multiple |
| | | [Clear Cell Focus TGLS = 1,5-12+16] [Hepatocellular Adenoma TGLS = 1,2,3,4-12+13+14+15] | |
| * Prostate | | Inflammation | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Necrosis | Minimal |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Eosinophilic Focus TGLS = 5-16] | | |
| | [Hepatocellular Adenoma TGLS = 2,3,4-13+14+15] | | |
| * Preputial Gland | | Fibrosis | Mild |
| | | Inflammation | Minimal |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperplasia | Moderate |
| | SOA Dermis | Inflammation | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404685

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|-------------|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| [Clear Cell Focus TGLS = 5,7-14+16] | | | |
| [Hepatocellular Adenoma TGLS = 3,4-12+13] | | | |
| [Mixed Cell Focus TGLS = 6-15] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Thrombosis | Moderate |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Spleen | | Atrophy | Mild |
| [Atrophy TGLS = 2-4] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404686

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Bone Marrow | | Hemangiosarcoma | |
| * Epididymis | | Granuloma Sperm | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst | Minimal |
| | Artery | Inflammation | Mild |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 2,3,4,5,6-12+13+14+15] | | |
| * Lung | | Hemangiosarcoma | Metastatic (Skin) |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Skin | SOA Dermis | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-12] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 7-4] | | |
| * Testes | Germinal Epith | Degeneration | Minimal |
| * Thyroid Gland | Follicle | Cyst | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404687

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
 Test Type: CHRONIC
 Route: SKIN APPLICATION
 Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
 Test Compound: bis(2-Chloroethoxy)methane
 CAS Number: 111-91-1

Date Report Requested: 10/17/2014
 Time Report Requested: 22:44:27
 First Dose M/F: NA / NA
 Lab: BAT

| | | | |
|-----------------------|--|---|--|
| ANIMAL ID: 138 | TRT#: 5 DOSE: 300 MG/KG | SEX: Male DISP: Terminal Sacrifice | DAY ON TEST: 729 HISTO: 0404688 |
|-----------------------|--|---|--|

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

| | | | |
|----------------------|---------------|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Epicardium | Hyperplasia | Mild |
| | Artery | Inflammation | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Clear Cell Focus TGLS = 2-13] | |
| | | [Eosinophilic Focus TGLS = 2-13] | |
| | | [Hepatocellular Adenoma TGLS = 1,2,3-12+13+14] | |
| Mesentery | | Necrosis | Moderate |
| | | [Necrosis TGLS = 4-15] | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 127

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Parathyroid Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Stomach, Forestomach |
| * Testes | * Thyroid Gland | * Trachea | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------------------|-------------|------------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Lymphoma Malignant | |
| * Epididymis | | Lymphoma Malignant | |
| * Eye | | Lymphoma Malignant | |
| * Harderian Gland | | Lymphoma Malignant | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Artery | Lymphoma Malignant | |
| | | Lymphoma Malignant | |
| | Myocardium | Mineralization | Mild |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| Note: lymphoma noted around aorta. | | | |
| * Kidney | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 2-4] | |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 8-16] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 127

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404689

ORGAN AND ACCOUNTABLE SITE STATUS

| | | |
|------------------------------------|--------------------|---------|
| [Lymphoma Malignant TGLS = 7-15] | | |
| [Lymphoma Malignant TGLS = 6-14] | | |
| * Lymph Node, Mandibular | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 5-13] | | |
| * Lymph Node, Mesenteric | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-12] | | |
| * Nose | Lymphoma Malignant | |
| * Pancreas | Lymphoma Malignant | |
| * Pituitary Gland | Lymphoma Malignant | |
| * Prostate | Lymphoma Malignant | |
| * Spleen | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | |
| * Stomach, Glandular | Inflammation | Minimal |
| * Thymus | Lymphoma Malignant | |
| * Urinary Bladder | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|--|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Minimal |
| * Eye | | | |
| Note: optic nerve = missing | | | |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Hydronephrosis | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Adenoma TGLS = 2-13] | | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 300 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|---------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Intestine Small, Jejunum | | Carcinoma | |
| [Carcinoma TGLS = 5-15] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 3,4-13+14] | | | |
| * Skin | SOA Dermis | Fibrosis | Moderate |
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Moderate |
| | SOA Epidermis | Ulcer | Mild |
| [Hyperplasia TGLS = 2-12] | | | |

PRIMARY CAUSE OF DEATH - Intestine Small, Jejunum Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 533

DOSE: 300 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404692

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|------------------------------------|---------------|--------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Lymphoma Malignant | |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Lymphoma Malignant | |
| | | Tension Lipidosis | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 501

DOSE: 300 MG/KG

DISP: Natural Death

HISTO: 0404694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | Hepatocyte | Hepatocellular Carcinoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Hepatocellular Adenoma TGLS = 2-13] | | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Clear Cell Focus TGLS = 1-12] | |
| | | [Eosinophilic Focus TGLS = 1-12] | |
| | | [Hepatocellular Adenoma TGLS = 1,2-12+13] | |
| * Stomach, Glandular | Glands | Hyperplasia | Mild |
| | | [Hyperplasia TGLS = 3-14] | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|----------------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Necrosis | Mild |
| | [Hepatocellular Adenoma TGLS = 4,5-14+15] | | |
| | [Hepatocellular Carcinoma TGLS = 2,3-12+13] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | [Hematopoietic Cell Proliferation TGLS = 1-4] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | Hepatocyte | Necrosis | Minimal |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Clear Cell Focus TGLS = 2-3+5+13] | | | |
| Mesentery | | Inflammation | Mild |
| [Inflammation TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|----------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Hepatocellular Adenoma | |
| | | [Clear Cell Focus TGLS = 2-4+5+12] | |
| | | [Hepatocellular Adenoma TGLS = 1-3+13] | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| | Alveolar Epith | Hyperplasia | Mild |
| | | [Alveolar/Bronchiolar Adenoma TGLS = 3,4-12+13] | |
| * Pancreas | Acinus | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|----------------|--|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | [Clear Cell Focus TGLS = 4-16] | |
| | | [Eosinophilic Focus TGLS = 2-14] | |
| | | [Hepatocellular Adenoma TGLS = 5,6-3+12+13] | |
| | | [Mixed Cell Focus TGLS = 3-15] | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | | [Alveolar/Bronchiolar Carcinoma TGLS = 7-14] | |
| * Testes | Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404699

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 300 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|------------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| * Intestine Small, Jejunum | Peyers Patch | Hyperplasia | Marked |
| | | | |
| [Hyperplasia TGLS = 1-12] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Inflammation | Mild |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | | |
| [Hepatocellular Adenoma TGLS = 3-12] | | | |
| [Hepatocellular Carcinoma TGLS = 2-14] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | | |
| [Alveolar/Bronchiolar Adenoma TGLS = 4-13] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|------------------------------|---------------|----------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Moderate |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Minimal |
| | | Regeneration | Mild |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Moderate |
| [Regeneration TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Moderate |
| | SOA Dermis | Inflammation | Mild |
| [Hyperplasia TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Moderate |
| * Epididymis | | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1,2,3,4,5,6-12+13+14+15+16+17] | | |
| * Nose | | Inflammation | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404702

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 7

SEX: Male

DAY ON TEST: 226

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|--|---------------------------|----------------------|
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Liver | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Marked |
| | [Vacuolization Cytoplasmic TGLS = 1-4+5] | | |
| * Stomach, Forestomach | | Ulcer | Moderate |

PRIMARY CAUSE OF DEATH

- Heart Myocardium Vacuolization Cytoplasmic

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 7

SEX: Male

DAY ON TEST: 489

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|---------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Bone Marrow | | Hemorrhage | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | Centrilobular | Degeneration | Minimal |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Stomach, Forestomach | | Ulcer | Mild |

PRIMARY CAUSE OF DEATH

-

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------|--|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Epididymis | | Inflammation | Mild |
| * Esophagus | | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | [Alveolar/Bronchiolar Adenoma TGLS = 3-13] | | |
| | [Hepatocellular Carcinoma TGLS = 2-12] | | |
| * Lymph Node, Mesenteric | | Hemorrhage | Mild |
| * Nose | | Inflammation | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404705

ORGAN AND ACCOUNTABLE SITE STATUS

SOA Epidermis

Hyperplasia

Minimal

SOA Dermis

Inflammation

Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|--|---|---------------------|
| * Adrenal Cortex | Subcapsular Subcapsular | Adenoma Hyperplasia Hypertrophy | Moderate Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hemangiosarcoma Hepatocellular Adenoma | Metastatic (Skin) |
| [Hepatocellular Adenoma TGLS = 4-12] | | | |
| * Skin | SOA Dermis Subcut Tiss SOA Epidermis | Fibrosis Hemangiosarcoma Hyperplasia | Mild Minimal |
| [Hemangiosarcoma TGLS = 3-13] | | | |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 2-12] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Tension Lipidosis | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |
| | [Alveolar/Bronchiolar Adenoma TGLS = 2-12] | | |
| * Preputial Gland | | Inflammation | Marked |
| | [Inflammation TGLS = 1-8] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 158 | TRT#: 7 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 600 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404708 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|------------------|---------------------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Cyst | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Basophilic Focus TGLS = 3-12] | |
| | | [Hepatocellular Adenoma TGLS = 1,2-12+13] | |
| * Testes | Germinal Epith | Degeneration | Mild |
| * Thyroid Gland | Bilateral, Follicular Cel | Adenoma | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|-------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Harderian Gland | | Adenoma | |
| * Intestine Small, Jejunum | | Inflammation | Mild |
| | | Mineralization | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatoblastoma | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |

Note: sarcoma found in liver (slide 4)
 [Hepatocellular Adenoma TGLS = 2,3-13+14]
 [Hepatocellular Carcinoma TGLS = 1-12]

| | | | |
|-------|---------------|-----------|----------|
| Tooth | | Dysplasia | |
| | Peridont Tiss | Fibrosis | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404709

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|---------------|---|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hemangiosarcoma | |
| | | Hepatocellular Adenoma | |
| | | [Hemangiosarcoma TGLS = 2,3,4,5-3+13+14+15] | |
| | | [Hepatocellular Adenoma TGLS = 6-15] | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Mild |
| | SOA Epidermis | Ulcer | Minimal |
| | | [Hyperplasia TGLS = 1-12] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404710

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Pigmentation | Melanin, Mild |
| * Epididymis | | Inflammation | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | Hepatocyte | Hepatocellular Carcinoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Hepatocellular Carcinoma TGLS = 1-3+12] | | |
| * Pancreas | | Basophilic Focus | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 7

SEX: Male

DAY ON TEST: 674

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|---------------------------|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Hemorrhage | Moderate |
| * Heart | Myocardium | Cardiomyopathy | Moderate |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Moderate |
| | Myocardium | Mineralization | Mild |
| | Atrium | Thrombosis | Moderate |
| | Myocardium | Vacuolization Cytoplasmic | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | Centrilobular | Degeneration | Mild |
| | | Hemorrhage | Moderate |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | Hepatocyte | Necrosis | Moderate |

[Hemorrhage TGLS = 4-14]

[Hepatocellular Adenoma TGLS = 3-13]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 162 | TRT#: 7 | SEX: Male | DAY ON TEST: 674 |
| | DOSE: 600 MG/KG | DISP: Natural Death | HISTO: 0404712 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------|---------------|-------------|---------|
| [Hypertrophy TGLS = 5-5] | | | |
| [Necrosis TGLS = 4-14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Edema | Mild |
| [Edema TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH - Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 3-13] | | | |
| [Hepatocellular Carcinoma TGLS = 2-12] | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Pituitary Gland | Pars Distalis | Cyst | Mild |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| | Subcut Tiss | Schwannoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404713

ORGAN AND ACCOUNTABLE SITE STATUS

[Schwannoma Malignant TGLS = 4-12]

* Stomach, Forestomach

Ulcer

Moderate

[Ulcer TGLS = 5-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 7

SEX: Male

DAY ON TEST: 486

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | | |
| Note: TGLs=2-3 | | | |
| Note: TGLs=2-3+4+5 No Corresponding Lesion | | | |
| * Pancreas | Duct | Cyst | Mild |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH - Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 165

TRT#: 7

SEX: Male

DAY ON TEST: 4

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart

Note: Special stain battery (H and E, GMS, MTRICHR, MPTCHR) performed on heart.

* Kidney

Cyst

Mild

* Skin

SOA Dermis

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 166

TRT#: 7

SEX: Male

DAY ON TEST: 245

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |

PRIMARY CAUSE OF DEATH

- Heart Myocardium Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 7

SEX: Male

DAY ON TEST: 678

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|---|-------------|------------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Bile Duct | Clear Cell Focus | |
| | | Cyst | Moderate |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Mild |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| [Clear Cell Focus TGLS = 3-4] | | | |
| [Eosinophilic Focus TGLS = 4-15] | | | |
| [Hepatocellular Adenoma TGLS = 3-14] | | | |
| [Hepatocellular Carcinoma TGLS = 1-12] | | | |
| [Mixed Cell Focus TGLS = 3-14] | | | |
| [Vacuolization Cytoplasmic TGLS = 2-13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 167 | TRT#: 7 | SEX: Male | DAY ON TEST: 678 |
| | DOSE: 600 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404717 |

ORGAN AND ACCOUNTABLE SITE STATUS

[Alveolar/Bronchiolar Adenoma TGLS = 5-16]

| | | | |
|------------|--------|--------------|---------|
| * Nose | | Inflammation | Minimal |
| * Pancreas | Acinus | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 7

SEX: Male

DAY ON TEST: 44

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|----------|
| * Mammary Gland | * Thymus |
|-----------------|----------|

OBSERVATIONS

| | | | |
|----------------------|---------------|----------------|---------|
| * Kidney | | Mineralization | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Stomach, Glandular | | Erosion | Mild |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Glandular Erosion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Bone Marrow | | Hemorrhage | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | [Cyst TGLS = 3-4] | | |
| * Liver | | Congestion | Moderate |
| | Note: TGLS=4-3+4+12+13 No Corresponding Lesion | | |
| | [Congestion TGLS = 1,2-12+13] | | |
| * Lymph Node, Mesenteric | | Hemorrhage | Marked |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 7

SEX: Male

DAY ON TEST: 568

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Cyst | Mild |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 7

SEX: Male

DAY ON TEST: 420

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | Centrilobular | Degeneration | Mild |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Moderate |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Stomach, Forestomach | | Ulcer | Mild |
| [Ulcer TGLS = 2-12] | | | |
| * Stomach, Glandular | | Erosion | Marked |
| [Erosion TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH - Heart Myocardium Vacuolization Cytoplasmic

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 7

SEX: Male

DAY ON TEST: 123

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|---------------|---------------------------|-------------------------|
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| Note: Special stain battery confirmed the reported cardiac histologic findings | | | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Stomach, Forestomach | | Ulcer | Moderate |

PRIMARY CAUSE OF DEATH - Heart Myocardium Vacuolization Cytoplasmic

CONTRIBUTORY CAUSE OF DEATH - Stomach;Forestomach Ulcer

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|---------------|--|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Eosinophilic Focus TGLS = 2-12] | |
| | | [Hepatocellular Adenoma TGLS = 1-12] | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|---|--|--|--|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Adenoma | Moderate Minimal |
| * Harderian Gland | | | |
| [Adenoma TGLS = 7-9] | | | |
| * Heart | Myocardium Myocardium Myocardium Myocardium | Cardiomyopathy Fibrosis Infiltration Cellular Vacuolization Cytoplasmic | Minimal Minimal Mononuclear CI, Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatoblastoma Hepatocellular Adenoma Mixed Cell Focus | Multiple |
| [Clear Cell Focus TGLS = 4-15] | | | |
| [Hepatoblastoma TGLS = 2-13] | | | |
| [Hepatocellular Adenoma TGLS = 1,2,3,5-12+13+14+15] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404724

ORGAN AND ACCOUNTABLE SITE STATUS

[Mixed Cell Focus TGLS = 6-13]

* Parathyroid Gland

Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|--|---|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Intestine Small, Jejunum | Epithelium Peyers Patch Serosa | Diverticulum Hyperplasia Inflammation | Moderate Minimal |
| | [Diverticulum TGLS = 1-12] | | |
| | [Hyperplasia TGLS = 2-13] | | |
| * Kidney | | Mineralization Nephropathy | Minimal Mild |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma Vacuolization Cytoplasmic | |
| | Hepatocyte | | Diffuse, Minimal |
| | [Hepatocellular Adenoma TGLS = 3-14] | | |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 7

SEX: Male

DAY ON TEST: 72

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Preputial Gland |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spleen |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|-------------|--------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Stomach, Forestomach | | Erosion | Mild |
| | | Inflammation | Moderate |
| * Stomach, Glandular | | Erosion | Mild |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

CONTRIBUTORY CAUSE OF DEATH

- Stomach;Forestomach Erosion;Stomach;Glandular Erosion

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|-------------|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 9-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Cyst | Minimal |
| | | Lymphoma Malignant | |
| | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Hepatocellular Adenoma TGLS = 4,5,6,7,8-13+14+15] | | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404727

ORGAN AND ACCOUNTABLE SITE STATUS

SOA Epidermis

Hyperplasia

Minimal

SOA Dermis

Inflammation

Minimal

[Hyperplasia TGLS = 1-12]

* Spleen

Lymphoma Malignant

[Lymphoma Malignant TGLS = 2,3-4]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

SEX: Male

DAY ON TEST: 506

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Hydronephrosis | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Clear Cell Focus TGLS = 1,2-12] | | |
| | [Vacuolization Cytoplasmic TGLS = 3-3+4+5+12] | | |
| * Prostate | Epithelium | Hyperplasia | Mild |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH - Heart Myocardium Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 7

DOSE: 600 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 506

HISTO: 0404728

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|-------------------|
| * Mammary Gland | * Pituitary Gland |
|-----------------|-------------------|

OBSERVATIONS

| | | | |
|--|-------------|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Carcinoma | |
| | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| | | | |
| [Carcinoma TGLS = 7-6] | | | |
| * Gallbladder | | Inflammation | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Mineralization | Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatoblastoma | Multiple |
| | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| [Hepatoblastoma TGLS = 2,3-13+14] | | | |
| [Hepatocellular Adenoma TGLS = 8-13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | Multiple |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 179 | TRT#: 7 | SEX: Male | DAY ON TEST: 729 |
| | DOSE: 600 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404729 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|----------------|----------------|--------------------|
| [Alveolar/Bronchiolar Adenoma TGLS = 4,5-12+15] | | | |
| * Pancreas | Duct | Cyst | Mild |
| Skeletal Muscle | | Hepatoblastoma | Metastatic (Liver) |
| [Hepatoblastoma TGLS = 6-15] | | | |
| * Testes | Germinal Epith | Degeneration | Mild |
| Zymbal's Gland | | Cyst | Moderate |
| [Cyst TGLS = 1-12] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|--|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Harderian Gland | Bilateral | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Kidney | | Cyst Mineralization Nephropathy | Mild Minimal Mild |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hepatocellular Adenoma Mixed Cell Focus | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Parathyroid Gland | | Cyst | Minimal |
| * Prostate | | Inflammation | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 37

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|--------------------------|-----------------|
| * Lymph Node, Mesenteric | * Mammary Gland |
|--------------------------|-----------------|

OBSERVATIONS

| | | | |
|------------------|------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Mild |

Note: Special stain battery confirmed the reported histologic findings

PRIMARY CAUSE OF DEATH

- Heart Myocardium Vacuolization Cytoplasmic

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 648

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------------|---------------|---|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| Note: one adrenal gland missing. | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | | Thrombosis | Mild |
| | | [Hepatocellular Adenoma TGLS = 3-13] | |
| | | [Hepatocellular Carcinoma TGLS = 1,2-3+12] | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | | [Hepatocellular Carcinoma TGLS = 6-14] | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | [Hematopoietic Cell Proliferation TGLS = 4-4] | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 648

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404732

ORGAN AND ACCOUNTABLE SITE STATUS

CONTRIBUTORY CAUSE OF DEATH

- Lung Hepatocellular Carcinoma Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|--|---|--|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy Adenoma | Mild Minimal Minimal |
| * Harderian Gland | | | |
| [Adenoma TGLS = 2-9] | | | |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Mild Mononuclear CI, Mild Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus Eosinophilic Focus Hemangiosarcoma Hepatocellular Adenoma Inflammation | Metastatic (Spleen) Minimal |
| [Hemangiosarcoma TGLS = 3-12] | | | |
| [Hepatocellular Adenoma TGLS = 4-13] | | | |
| * Lung | Alveolar Epith | Alveolar/Bronchiolar Carcinoma Hyperplasia | Mild |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 183 | TRT#: 7 | SEX: Male | DAY ON TEST: 730 |
| | DOSE: 600 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404733 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|---------------|----------------------|---------|
| [Alveolar/Bronchiolar Carcinoma TGLS = 6-14] | | | |
| * Skin | | Basal Cell Carcinoma | |
| | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| [Basal Cell Carcinoma TGLS = 1-12] | | | |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 5-13] | | | |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 728
DOSE: 600 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------------|---|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Clear Cell Focus TGLS = 2-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 1-12] | | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-------------------|--|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|--|--|---|
| * Adrenal Cortex | Subcapsular Subcapsular | Adenoma Hyperplasia Hypertrophy | Moderate Minimal |
| * Heart | Myocardium Myocardium Myocardium Myocardium Myocardium | Cardiomyopathy Fibrosis Infiltration Cellular Necrosis Vacuolization Cytoplasmic | Mild Mild Mononuclear CI, Mild Minimal |
| * Kidney | | Cyst Mineralization Nephropathy | Mild Minimal Minimal |
| * Liver | | Tension Lipidosis | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187 TRT#: 7 SEX: Male DAY ON TEST: 522
DOSE: 600 MG/KG DISP: Natural Death HISTO: 0404737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-------------------|-----------------|
| * Harderian Gland | * Mammary Gland |
|-------------------|-----------------|

OBSERVATIONS

| | | |
|--|--------------------------|--------------------|
| * Kidney | Mineralization | Minimal |
| | Nephropathy | Minimal |
| * Liver | Eosinophilic Focus | |
| | Hepatocellular Carcinoma | |
| | Infarct | Marked |
| [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Lung | Hepatocellular Carcinoma | Metastatic (Liver) |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Lung Hepatocellular Carcinoma Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|------------------|---------------|---|-------------------------|
| * Adrenal Cortex | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | [Hepatocellular Adenoma TGLS = 1,2-12+13] | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 573

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Infarct | Moderate |

[Hepatocellular Adenoma TGLS = 1,2,3,4-12+13+14]

PRIMARY CAUSE OF DEATH

- Liver Infarct

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|----------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Mineralization | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Mixed Cell Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | | | |
| | [Clear Cell Focus TGLS = 3-12] | | |
| | [Mixed Cell Focus TGLS = 2-13] | | |
| Mesentery | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404740

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|------------|---------------------------|-------------------------|
| * Adren Cortex | | | |
| Note: 1 adrenal gland missing. | | | |
| * Epididymis | | Inflammation | Moderate |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| [Nephropathy TGLS = 3-4] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | Hepatocyte | Necrosis | Minimal |
| Note: hepatocellular adenoma is infarcted. | | | |
| [Hepatocellular Adenoma TGLS = 4-12] | | | |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| [Hyperplasia TGLS = 6-6] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 191 | TRT#: 7 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 600 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404741 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------|--------------|---------|
| * Preputial Gland [Ectasia TGLS = 2-8] | Duct | Ectasia | Mild |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Minimal |
| | SOA Epidermis | Ulcer | Minimal |
| [Hyperplasia TGLS = 5-13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 251

DOSE: 600 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Pancreas |
| * Parathyroid Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Testes |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|-----------------------------|---------------|--------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | | Edema | Mild |
| | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Moderate |
| | | Ulcer | Mild |
| | | | |
| [Hyperplasia TGLS = 1-12] | | | |
| * Stomach, Glandular | | Inflammation | Minimal |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:27

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1,3,4-12+13+14] | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Mild |
| | SOA Epidermis | Ulcer | Moderate |
| | [Hyperplasia TGLS = 2-12] | | |
| * Thyroid Gland | Follicular Cel | Adenoma | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404743

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|----------------|-----------------------|----------|
| * Adrenal Cortex | Subcapsular | Adenoma | |
| | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Tension Lipidosis | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | | Ulcer | Moderate |
| | | [Ulcer TGLS = 1-12] | |
| * Testes | Germinal Epith | Degeneration | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Epididymis | * Esophagus | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thyroid Gland | * Trachea | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--------------------------|-------------|------------------------------------|---------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Brain | | Lymphoma Malignant | |
| * Eye | | Lymphoma Malignant | |
| * Harderian Gland | | Lymphoma Malignant | |
| * Heart | | Lymphoma Malignant | |
| | Myocardium | Mineralization | Minimal |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Lymphoma Malignant | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Pancreatic | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 3-13] | |
| | | [Lymphoma Malignant TGLS = 5-14] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 4-6] | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 2-5] | |
| * Nose | | Lymphoma Malignant | |
| * Pituitary Gland | | Lymphoma Malignant | |
| * Prostate | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 195 | TRT#: 7 | SEX: Male | DAY ON TEST: 451 |
| | DOSE: 600 MG/KG | DISP: Natural Death | HISTO: 0404745 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|---------------|--------------------|---------|
| * Seminal Vesicle | | Lymphoma Malignant | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-12] | | | |
| * Urinary Bladder | | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 20

DOSE: 600 MG/KG

DISP: Natural Death

HISTO: 0404746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

* Heart

Note: Special stain battery confirmed the reported histologic findings

* Spleen

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--|--------------|------------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | Renal Tubule | Adenoma | |
| | | Cyst | Minimal |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| [Adenoma TGLS = 2-12] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| [Eosinophilic Focus TGLS = 4-14] | | | |
| [Hepatocellular Carcinoma TGLS = 3-13] | | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| [Alveolar/Bronchiolar Adenoma TGLS = 1-12] | | | |
| * Prostate | Epithelium | Hyperplasia | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 720
DOSE: 600 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mesenteric |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Spleen | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|--|----------------|----------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Eye | Cornea | Hyperplasia | Minimal |
| [Hyperplasia TGLS = 2-9] | | | |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| [Hepatocellular Adenoma TGLS = 4-13] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Lymph Node, Mandibular | | Hyperplasia | Plasma Cell, Mild |
| [Hyperplasia TGLS = 7-6] | | | |
| * Skin | SOA Dermis | Fibrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 198 | TRT#: 7 | SEX: Male | DAY ON TEST: 720 |
| | DOSE: 600 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404748 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------|---------------|--------------|----------|
| | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Moderate |
| | SOA Epidermis | Ulcer | Marked |
| [Ulcer TGLS = 3-12] | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Moderate |
| | | Ulcer | Mild |
| [Ulcer TGLS = 5-14] | | | |
| * Stomach, Glandular | | Erosion | Mild |
| [Erosion TGLS = 6-14] | | | |

| | |
|-----------------------------|-----------------------------|
| PRIMARY CAUSE OF DEATH | - Harderian Gland Adenoma |
| CONTRIBUTORY CAUSE OF DEATH | - Stomach;Forestomach Ulcer |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|--|-------------------------|
| * Adrenal Cortex | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Cyst | Minimal |
| | | Inflammation | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | | [Clear Cell Focus TGLS = 1-12] | |
| | | [Eosinophilic Focus TGLS = 1-12] | |
| | | [Hepatocellular Adenoma TGLS = 2-13] | |
| * Lung | Mediastinum | Hemangiosarcoma | |
| * Pancreas | Acinus | Atrophy | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 600 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404749

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------|---------------|--------------|---------|
| * Prostate | | Inflammation | Minimal |
| * Skin | SOA Dermis | Fibrosis | Mild |
| | SOA Epidermis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 200 | TRT#: 7 | SEX: Male | DAY ON TEST: 728 |
| | DOSE: 600 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404750 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 1-12] | | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Testes | Germinal Epith | Degeneration | Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 201 | TRT#: 2 | SEX: Female | DAY ON TEST: 534 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404751 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|-------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Liver | | Tension Lipidosis | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 2,3-12+13] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 4-12] | | |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Angiectasis | Mild |
| | [Adenoma TGLS = 1-6] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 714
HISTO: 0404753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

| | | | |
|---|-------------|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Lymphoma Malignant | |
| * Gallbladder | | Lymphoma Malignant | |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Mineralization | Minimal |
| | Myocardium | Necrosis | Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| Note: lymphoma noted in peri-vascular tissue. | | | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 6,7-14+15] | | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Iliac | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Pancreatic | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-12] | | | |
| [Lymphoma Malignant TGLS = 9-15] | | | |
| [Lymphoma Malignant TGLS = 4-14] | | | |
| [Lymphoma Malignant TGLS = 3-13] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|----------------------------|-------------------------|
| ANIMAL ID: 203 | TRT#: 2 | SEX: Female | DAY ON TEST: 714 |
| | DOSE: 0 MG/KG | DISP: Natural Death | HISTO: 0404753 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|---------------|--------------------|----------|
| * Lymph Node, Mandibular [Lymphoma Malignant TGLS = 8-6] | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Hemorrhage | Moderate |
| | | Lymphoma Malignant | |
| [Hemorrhage TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 5-13] | | | |
| * Thymus | | Lymphoma Malignant | |

| | | |
|-----------------------------|---------|--------------------|
| PRIMARY CAUSE OF DEATH | - Lung | Lymphoma Malignant |
| CONTRIBUTORY CAUSE OF DEATH | - Liver | Lymphoma Malignant |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2

SEX: Female

DAY ON TEST: 714

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------|---|---------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Valve | Thrombosis | Mild |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | Multiple |
| | Hepatocyte | Mineralization | Minimal |
| | Hepatocyte | Necrosis | Marked |
| | [Hepatocellular Adenoma TGLS = 7-12] | | |
| | [Hepatocellular Carcinoma TGLS = 5,6-14+15] | | |
| | [Necrosis TGLS = 4,8-13+14] | | |
| * Lung | | Hemorrhage | Moderate |
| * Skin | Subcut Tiss | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-12] | | |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 2,3-13] | | |
| * Stomach, Forestomach | | Ulcer | Moderate |
| | [Ulcer TGLS = 9-15] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 714
HISTO: 0404754

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|-------------|-------------|--------------|
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
|----------|-------------|-------------|--------------|

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 2

SEX: Female

DAY ON TEST: 671

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Parathyroid Gland | Peripheral Nerve | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Bone | Vertebra | Osteosarcoma | |
| * Bone Marrow | | Myelofibrosis | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLS = 1-16] | | |
| * Lung | | Osteosarcoma | Metastatic (Bone) |
| | [Osteosarcoma TGLS = 2-17] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| Spinal Cord | | Demyelination | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

- Bone Vertebra Osteosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Osteosarcoma Bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 639
HISTO: 0404756

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Mammary Gland

OBSERVATIONS

| | | | |
|----------------------------|---------------|------------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Kidney | Capsule | Fibrosis | Mild |
| | | Nephropathy | Mild |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 2-12] | | | |
| * Pancreas | Duct | Cyst | Moderate |
| | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 207

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------------|---------------|----------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Eye | | | |
| Note: optic nerve missing | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0404758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|---|---|-------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Inflammation Nephropathy | Mild Minimal |
| * Liver | | Hepatocellular Adenoma Histiocytic Sarcoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4-13+14] | | |
| | [Histiocytic Sarcoma TGLS = 2-12] | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst Pigmentation | Moderate Hemosiderin, Mild |
| | [Cyst TGLS = 5-7] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 714
HISTO: 0404759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Serosa | Basophilic Focus Inflammation | Minimal |
| [Basophilic Focus TGLS = 6-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1,3-12+13] | | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | SOA Dermis SOA Dermis | Fibrosis Inflammation | Minimal Minimal |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 2,4-13] | | | |
| * Stom Gland | | | |
| Note: TGL5 = missing. | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 714
HISTO: 0404759

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------|--|--|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Hemangioma | Moderate Minimal |
| * Clitoral Gland | | | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 2,3,4-12+13+14] | | |
| * Ovary | Periovarn Tiss | Inflammation | Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---|----------------|------------------------|----------------|
| * Adrenal Cortex | | Atrophy | Moderate |
| | Subcapsular | Hyperplasia | Moderate |
| * Bone | Cranium | Osteosarcoma | |
| [Osteosarcoma TGLS = 1-12] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Eosinophilic Focus TGLS = 6-14] | | Tension Lipidosis | |
| [Hepatocellular Adenoma TGLS = 4,5,6-4+13+14] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| Mesentery | | Necrosis | Marked |
| [Necrosis TGLS = 3-13] | | | |
| * Ovary | Periovarn Tiss | Inflammation | Mild |
| * Pituitary Gl | | | |
| Note: pituitary gland in slide 12 | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404761

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 514
HISTO: 0404762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Pancreas | * Pituitary Gland | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

| | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

| | | | |
|--------------------------------------|-------------|--|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Lymphoma Malignant | Minimal Minimal |
| * Eye | | | |
| Note: optic nerve not found. | | | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant Lymphoma Malignant | |
| Note: TGL1 = axillary node | | | |
| [Lymphoma Malignant TGLS = 3-14] | | | |
| [Lymphoma Malignant TGLS = 1-12] | | | |
| [Lymphoma Malignant TGLS = 4-15] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-6+13] | | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | | Inflammation | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|----------------------------|-------------------------|
| ANIMAL ID: 212 | TRT#: 2 | SEX: Female | DAY ON TEST: 514 |
| | DOSE: 0 MG/KG | DISP: Natural Death | HISTO: 0404762 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|---------------|--------------------|------------------|
| * Ovary | | Lymphoma Malignant | |
| * Salivary Glands | | Lymphoma Malignant | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

| | |
|------------------------|---------------------------|
| PRIMARY CAUSE OF DEATH | - Lung Lymphoma Malignant |
|------------------------|---------------------------|

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Inflammation | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 2,3-12+13] | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Stomach, Glandular | Epithelium | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 652
HISTO: 0404764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|-------------|--------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| [Alveolar/Bronchiolar Carcinoma TGLS = 2-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH - Lung Alveolar/Bronchiolar Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------------|----------------|----------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Gallbladder | Epithelium | Fibrosis | Mild |
| * Kidney | | Hyperplasia | Mild |
| | | Mineralization | Minimal |
| * Liver | | Nephropathy | Mild |
| [Infarct TGLS = 1-12] | | Infarct | Marked |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Glandular | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 717
HISTO: 0404766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------------------------|---------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Eye | | | |
| Note: optic nerve not found. | | | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Hemangiosarcoma Vacuolization Cytoplasmic | Diffuse, Mild |
| [Hemangiosarcoma TGLS = 1-12] | | | |
| * Ovary | | Hemorrhage | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH - Liver Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0404767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|---------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Hemangiosarcoma | |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | | Vacuolization Cytoplasmic | Minimal |
| * Liver | | Tension Lipidosis | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 472
HISTO: 0404768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|-----------------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Lymphoma Malignant | Mild |
| * Clitoral Gland | | | |
| Note: 1 clitoral gland missing. | | | |
| * Gallbladder | | Lymphoma Malignant | |
| * Harderian Gland | | Lymphoma Malignant | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Kidney | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | | |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-12] | | | |
| * Ovary | | Lymphoma Malignant | |
| * Pancreas | | Lymphoma Malignant | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 218

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 472
HISTO: 0404768

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|-------------|-----------------------------------|--------------|
| * Uterus | Endometrium | Hyperplasia Lymphoma Malignant | Cystic, Mild |
|----------|-------------|-----------------------------------|--------------|

PRIMARY CAUSE OF DEATH - Lung Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|--|--------------------------------|--|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis Adenoma | Moderate Mild Mild |
| * Bone Marrow | | | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infarct Nephropathy | Mild Minimal |
| * Liver | | Hepatocellular Adenoma Hepatocellular Carcinoma | Multiple |
| [Hepatocellular Adenoma TGLS = 5,7-12] | | | |
| [Hepatocellular Carcinoma TGLS = 6-12] | | | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 3,4-7] | | | |
| * Pituitary Gland | Pars Distalis Pars Distalis | Adenoma Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 534
HISTO: 0404770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---|-------------|--|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy Adenoma | Moderate Mild Mild |
| * Harderian Gland [Adenoma TGLS = 1-9] | | | |
| * Nose | | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH - Harderian Gland Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 221

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Pituitary Gland | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |

OBSERVATIONS

| | | | |
|-------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Kidney | | Lymphoma Malignant | |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Lymphoma Malignant | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Lung | | Lymphoma Malignant | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Salivary Glands | | Lymphoma Malignant | |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 1-4] | | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|----------------------------|-------------------------|
| ANIMAL ID: 222 | TRT#: 2 | SEX: Female | DAY ON TEST: 588 |
| | DOSE: 0 MG/KG | DISP: Natural Death | HISTO: 0404772 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--------------------------|----------------|-----------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Bone Marrow | | Hemangiosarcoma | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | Hepatocyte | Necrosis | Mild |
| [Necrosis TGLS = 1-12] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Ovary | | Cyst | Mild |
| * Spleen | | Hemangiosarcoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------------|-------------|-------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Liver | | Tension Lipidosis | |
| * Ovary | | Cyst | Mild |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 1-4] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Mammary Gland | * Nose | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |

MISSING

| | |
|---------------------|-------------------|
| * Parathyroid Gland | * Pituitary Gland |
|---------------------|-------------------|

OBSERVATIONS

| | | | |
|--------------------------|-------------|---|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Serosa | Eosinophilic Focus Fibrosis Hemangiosarcoma Hepatocellular Adenoma | Mild |
| | Serosa | Inflammation | Mild |
| | | [Fibrosis TGLS = 7-14] | |
| | | [Hemangiosarcoma TGLS = 5-13] | |
| | | [Hepatocellular Adenoma TGLS = 5-13] | |
| | | [Inflammation TGLS = 7-14] | |
| Lymph Node | Inguinal | Lymphoma Malignant | |
| | Lumbar | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 3-12] | |
| | | [Lymphoma Malignant TGLS = 6-14] | |
| | | [Lymphoma Malignant TGLS = 4-13] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 224 | TRT#: 2 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404774 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---------------------------------|-------------|--------------------|--------------|
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Ovary | | Lymphoma Malignant | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Spleen | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 1-12] | | | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | | Inflammation | Minimal |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|--------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Inflammation | Minimal |
| [Eosinophilic Focus TGLS = 2-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------------------------|---------------|---|------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Moderate Moderate Mild |
| * Bone Marrow | | Hyperplasia | Minimal |
| * Harderian Gland | Epithelium | Nephropathy | Minimal |
| * Kidney | | Clear Cell Focus Tension Lipidosis | |
| * Liver | | Necrosis | Moderate |
| Mesentery [Necrosis TGLS = 1-12] | | Inflammation | Minimal |
| * Nose | | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Cystic, Moderate |
| * Uterus | Endometrium | Hyperplasia | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 227

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|---|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| Note: 1 adrenal gland missing. | | | |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Intestine Small, Jejunum | Peyers Patch | Diverticulum | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Tension Lipidosis | Multiple |
| [Hepatocellular Adenoma TGLS = 1,2,4,5-4+12+13+14] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0404778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------------|--|--------------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Eye | | | |
| Note: optic nerve missing | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 3,4-13+14] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 5-15] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 2-12] | | |
| * Nose | | Inflammation | Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 6-16] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 1-7] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 0404778

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|-----------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Mild |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| [Eosinophilic Focus TGLS = 2-12] | | | |
| * Lung | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|---------------------------------|---------------|---|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Mild Mild Minimal |
| * Bone Marrow | | | |
| * Clitoral GI | | | |
| Note: 1 clitoral gland missing. | | | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| | | Necrosis | Moderate |
| Mesentery | | | |
| [Necrosis TGLS = 1-12] | | | |
| * Ovary | | Cystadenoma | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404781

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mandibular | * Mammary Gland | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|------------------------------------|-----------------------|--|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Lymphoma Malignant | Moderate Moderate |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Inflammation | Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| | Alveolus | Infiltration Cellular | Histiocyte, Minimal |
| Lymph Node | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-13] | | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 6-14] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 3-12] | | | |
| * Nose | Glands, Olfactory Epi | Dilatation | Mild |
| * Pancreas | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-4] | | | |
| * Thymus | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404782

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
[Hyperplasia TGLS = 5-7]

Endometrium

Hyperplasia

Cystic, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 728
DOSE: 0 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Intestine Large, Colon | Epithelium | Diverticulum | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Eosinophilic Focus TGLS = 2-12] | | |
| | [Hepatocellular Adenoma TGLS = 3-13] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Schwannoma Malignant | |
| * Thyroid Gland | Follicle | Cyst | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 2

SEX: Female

DAY ON TEST: 559

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------------|-------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Mammary Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 2

SEX: Female

DAY ON TEST: 595

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 236

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 676
HISTO: 0404786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland | * Ovary |
| Peripheral Nerve | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|------------------------------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Bone Marrow | | Lymphoma Malignant | |
| * Brain | Meninges | Lymphoma Malignant | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 3-16] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 2-15] | | |
| * Nose | | Inflammation | Minimal |
| * Pancreas | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| Spinal Cord | Meninges | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 236 | TRT#: 2 | SEX: Female | DAY ON TEST: 676 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404786 |

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 1-4]

| | | | |
|------------------------|-------------|-----------------------------|-----------------|
| * Stomach, Forestomach | Epithelium | Hyperplasia Inflammation | Mild Minimal |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Brain Meninges Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 237

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|-----------------------------------|-------------|--------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 4,5-12] | | | |
| * Ovary | | Cystadenoma | |
| [Cystadenoma TGLS = 2-7] | | | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-4] | | | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 238 | TRT#: 2 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404788 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|----------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Heart | Artery | Inflammation | Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 1-3+4+5] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 2-4] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 2

SEX: Female

DAY ON TEST: 727

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|--------------------------|---------------|---------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Liver | | Inflammation | Minimal |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy | Mild Minimal Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Hepatocellular Adenoma Tension Lipidosis | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 728
DOSE: 0 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | |

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Inflammation | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 2,3,5-12+13] | | |
| Lymph Node | Iliac | Degeneration | Cystic, Moderate |
| | Iliac | Hemorrhage | Moderate |
| | [Degeneration TGLS = 4-12] | | |
| | [Hemorrhage TGLS = 4-12] | | |
| * Ovary | | Cyst | Mild |
| | [Cyst TGLS = 1-7] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Urinary Bladder | | Inflammation | Chronic, Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|----------------------------|-------------------------|
| ANIMAL ID: 242 | TRT#: 2 | SEX: Female | DAY ON TEST: 699 |
| | DOSE: 0 MG/KG | DISP: Natural Death | HISTO: 0404792 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |

OBSERVATIONS

| | | | |
|-------------------------|-------------|-----------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Mild |
| Mesentery | | Sarcoma | |
| [Sarcoma TGLS = 1-12] | | | |
| * Urinary Bladder | | Sarcoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH - Mesentery Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 0404793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|----------------|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Mild |
| Note: myelofibrosis in nasal section | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 3,4,5-5+12] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 2-7] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 244 | TRT#: 2 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 0 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404794 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--|------------------------------------|---------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| Lymph Node | Bronchial | Histiocytic Sarcoma | |
| | Mediastinal | Histiocytic Sarcoma | |
| * Ovary | | | |
| Note: reactive mesothelium associated with ovary, pancreas, gall bladder, uterus and spleen. | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Histiocytic Sarcoma | |
| | [Histiocytic Sarcoma TGLS = 2-8] | | |
| * Spleen | Capsule | Hyperplasia | Mild |
| * Uterus | | Histiocytic Sarcoma | |
| | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 701
DOSE: 0 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocellular Adenoma | |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Hepatocellular Adenoma TGLS = 4-12] | | |
| Lymph Node | Lumbar | Hyperplasia | Lymphoid, Moderate |
| | Renal | Hyperplasia | Lymphoid, Moderate |
| | [Hyperplasia TGLS = 5-13] | | |
| | [Hyperplasia TGLS = 6-14] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 7-14] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | SOA Dermis | Schwannoma Malignant | |
| | SOA Epidermis | Ulcer | Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 246 | TRT#: 2 | SEX: Female | DAY ON TEST: 701 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404796 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|--|---|---------------------------|
| [Schwannoma Malignant TGLS = 1-12] | | | |
| [Ulcer TGLS = 2-13] | | | |
| * Spleen | | Hematopoietic Cell Proliferation Hyperplasia | Mild Lymphoid, Minimal |
| [Hematopoietic Cell Proliferation TGLS = 3-4] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - Skin SOA Dermis Schwannoma Malignant | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 248

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 727
HISTO: 0404798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 687
HISTO: 0404799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|---|-------------|--|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Minimal |
| * Eye | | | |
| Note: optic nerve missing. | | | |
| * Liver | Hepatocyte | Vacuolization Cytoplasmic Carcinoma | Diffuse, Minimal |
| * Mammary Gland | | | |
| [Carcinoma TGLS = 1-12] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| [Hematopoietic Cell Proliferation TGLS = 2-4] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Mammary Gland Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 250 | TRT#: 2 | SEX: Female | DAY ON TEST: 701 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404800 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---|-------------|--------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Gallbladder | | Lymphoma Malignant | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | | Lymphoma Malignant | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2,3-3+4+5] | | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 5-12] | | | |
| [Lymphoma Malignant TGLS = 9-15] | | | |
| [Lymphoma Malignant TGLS = 8-14] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 6-6] | | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 7-13] | | | |
| * Ovary | | Cyst | Mild |
| | | Lymphoma Malignant | |
| * Skin | SOA Dermis | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|----------------------|---------------------------------|-------------------------|
| ANIMAL ID: 250 | TRT#: 2 | SEX: Female | DAY ON TEST: 701 |
| | DOSE: 0 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404800 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------|--------------------|----------------|
| * Spleen [Lymphoma Malignant TGLS = 1-4] | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus [Hyperplasia TGLS = 4-7] | Endometrium | Hyperplasia | Cystic, Marked |

PRIMARY CAUSE OF DEATH - Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 251 | TRT#: 4 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404801 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Thyroid Gland | | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------------|----------------|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 3-7] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Thyroid Gland | Follicular Cel | Adenoma | |
| [Adenoma TGLS = 1-3] | | | |
| * Uterus | Endometrium | Hyperplasia Polyp Stromal | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 253

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Mild |
| | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | Hepatocyte | Necrosis | Minimal |
| | [Hepatocellular Adenoma TGLS = 1,2-12+13] | | |
| * Ovary | | Hemangioma | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:27
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 4

SEX: Female

DAY ON TEST: 475

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|--------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 4

SEX: Female

DAY ON TEST: 700

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------------|---------------|--------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Moderate |
| * Eye | Cornea | Inflammation | Marked |
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-12] | | | |
| * Kidney | Renal Tubule | Nephropathy | Minimal |
| | | Pigmentation | Mild |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Hemorrhage | Marked |
| [Hemorrhage TGLS = 2-13] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH - Harderian Gland Carcinoma
CONTRIBUTORY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---|-------------|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-12] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 2,3,4,5-12+13+14+15] | | | |
| * Ovary | | Cyst | Minimal |
| | | Mineralization | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 258 | TRT#: 4 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404808 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|-------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Thyroid Gland | * Trachea | | |

OBSERVATIONS

| | | | |
|--------------------------|------------------------------------|--------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Iliac | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 3-12] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1,2-13+14] | | |
| * Ovary | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 4-6] | | |
| * Spleen | | Lymphoma Malignant | |
| * Stomach, Glandular | | Mineralization | Minimal |
| * Thymus | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------|---------------|---------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261

TRT#: 4

SEX: Female

DAY ON TEST: 671

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|-----------------------------------|---------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| * Intestine Small, Ileum | Epithelium | Diverticulum | Mild |
| | | Inflammation | Mild |
| | | Ulcer | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | Serosa | Inflammation | Mild |
| | Hepatocyte | Necrosis | Moderate |
| | Hepatocyte | Vacuolization Cytoplasmic | Mild |
| | [Necrosis TGLS = 2,3-3+4+5+13] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 4-13] | | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| * Uterus | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-7+12] | | |

PRIMARY CAUSE OF DEATH

- Uterus Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 262

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| | [Hyperplasia TGLS = 1-13] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lung | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Skin | * Stomach, Glandular |
| * Trachea | | | |

OBSERVATIONS

| | | | |
|----------------------------|--------------|---------------------------------------|---------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Lymphoma Malignant | |
| * Clitoral Gland | | Lymphoma Malignant | |
| * Eye | | Lymphoma Malignant | |
| * Harderian Gland | | Lymphoma Malignant | |
| * Heart | | Lymphoma Malignant | |
| * Intestine Small, Jejunum | | Lymphoma Malignant | |
| * Kidney | Renal Tubule | Dilatation | Minimal |
| | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 2-3+4+5] | |
| Lymph Node | Iliac | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 4-12] | |
| | | [Lymphoma Malignant TGLS = 5-13] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cystadenoma | |
| | | Lymphoma Malignant | |
| | | [Cystadenoma TGLS = 3-14] | |
| * Salivary Glands | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263

TRT#: 4

SEX: Female

DAY ON TEST: 722

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404813

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|---|-------------|-----------------------------------|------------------|
| * Spleen [Lymphoma Malignant TGLS = 1-4] | | Lymphoma Malignant | |
| * Stomach, Forestomach | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia Lymphoma Malignant | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

- Liver Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|---|------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 3,4,6,7-4+12+13] | | |
| * Lung | Alveolar Epith | Alveolar/Bronchiolar Adenoma | |
| | [Hyperplasia TGLS = 2-12] | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Angiectasis | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| | [Angiectasis TGLS = 5-14] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 265 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404815 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Skin | * Trachea | | |

OBSERVATIONS

| | | | |
|------------------------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | | Lymphoma Malignant | |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Intestine Large, Cecum | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-13] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 3-12] | | | |
| * Ovary | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Salivary Glands | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-4] | | | |
| * Stomach, Forestomach | | Lymphoma Malignant | |
| * Stomach, Glandular | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 265 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404815 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------------------------|----------------|--------------------|--------------|
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | Follicular Cel | Adenoma | |
| | | Lymphoma Malignant | |
| [Adenoma TGLS = 5-14] | | | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | | Lymphoma Malignant | |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 4

SEX: Female

DAY ON TEST: 589

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---------------------------|---------------|-------------------|------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Eye | Cornea | Inflammation | Mild |
| * Harderian Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| * Lung | | Carcinoma | Metastatic (Harderian Gland) |
| [Carcinoma TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

- Harderian Gland Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Carcinoma Harderian Gland

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---|---------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Kidney | | Mineralization Nephropathy | Minimal Mild |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 2,3-12+13] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 268

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------------------|--------------------------|---|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Lymphoma Malignant | Mild Minimal |
| * Heart | Myocardium Myocardium | Lymphoma Malignant Mineralization Vacuolization Cytoplasmic | Mild Minimal |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-12] | | | |
| * Lung | | Infiltration Cellular | Mild |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-13] | | | |
| * Ovary | | Lymphoma Malignant | |
| Note: 1 ovary missing | | | |
| * Skin | SOA Dermis | Inflammation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404819

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------------------|---------------|--------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| Mesentery | | Necrosis | Moderate |
| | | | |
| [Necrosis TGLS = 2,3-12+13] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | | | |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Lung | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|--------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Intestine Small, Jejunum [Lymphoma Malignant TGLS = 2-12] | | Lymphoma Malignant | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Lymphoma Malignant | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| * Lymph Node, Mesenteric [Lymphoma Malignant TGLS = 3-5] | | Lymphoma Malignant | |
| * Ovary | | Lymphoma Malignant | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia Lymphoma Malignant | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404820

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 4

SEX: Female

DAY ON TEST: 711

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------------------------|------------------------------------|--------------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Heart | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| * Liver | Hepatocyte | Lymphoma Malignant Necrosis | Moderate |
| | [Lymphoma Malignant TGLS = 2-13] | | |
| | [Necrosis TGLS = 3-13] | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Iliac | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 6-12] | | |
| | [Lymphoma Malignant TGLS = 5-15] | | |
| | [Lymphoma Malignant TGLS = 4-14] | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 7-16] | | |
| * Ovary | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 271 | TRT#: 4 | SEX: Female | DAY ON TEST: 711 |
| | DOSE: 100 MG/KG | DISP: Natural Death | HISTO: 0404821 |

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 1-12]

| | | | |
|-------------------------------|----------------------------|-------------|--------------|
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - Heart Lymphoma Malignant | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 272 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404822 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|--|---------------|----------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Moderate |
| * Liver | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| Lymph Node | Pancreatic | Hyperplasia | Lymphoid, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-6] | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 273 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404823 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Uterus |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Gallbladder | | Lymphoma Malignant | |
| * Heart | Artery | Inflammation | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Moderate |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Hepatocellular Adenoma | |
| | | Lymphoma Malignant | |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1-14] | | |
| | Mesentery | Necrosis | Moderate |
| | [Necrosis TGLS = 2-13] | | |
| * Ovary | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Hyperplasia | Mild |
| * Skin | SOA Dermis | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLS = 3-12] | | |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 3,4,5-12+13+14] | | |
| * Ovary | | Cyst | Mild |
| | [Cyst TGLS = 1-7] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 275 | TRT#: 4 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404825 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------------|--------------|--|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Intestine Small, Jejunum | Peyers Patch | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | Multiple |
| | | [Hepatocellular Adenoma TGLS = 4,5,6-12+13+14] | |
| | | [Hepatocellular Carcinoma TGLS = 2,3-15+16] | |
| * Skin | Subcut Tiss | Fibrous Histiocytoma | |
| | | [Fibrous Histiocytoma TGLS = 1-12] | |
| * Stomach, Glandular | Glands | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 276

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--------------------------|---------------|-------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Tension Lipidosis | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 277 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404827 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Glandular | Glands | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Mammary Gland | * Nose | * Ovary | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|---|---------------|--------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Intestine Small, Jejunum | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3,4-14+15] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hemangiosarcoma | |
| | | Lymphoma Malignant | |
| [Hemangiosarcoma TGLS = 2-13] | | | |
| * Thymus | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 278 | TRT#: 4 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404828 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------|-------------|--------------------|--------------|
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 279

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-----------------------------------|---------------|--------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-6] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 2-12] | | | |
| * Nose | | Inflammation | Mild |
| * Ovary | | Hemangiosarcoma | |
| [Hemangiosarcoma TGLS = 5-7] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 280

TRT#: 4

SEX: Female

DAY ON TEST: 518

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|--------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 2-12] | | |
| * Nose | | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|--------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic | * Lung |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|---------------|--------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Intestine Small, Jejunum | | Carcinoma | |
| [Carcinoma TGLS = 7-12] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| [Hepatocellular Adenoma TGLS = 3,4,5-14+15+16] | | | |
| [Hepatocellular Carcinoma TGLS = 2-17] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 9-14] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 6-13] | | | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 8-14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404832

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 1-4]

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Glandular | Epithelium | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

[Hyperplasia TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---|--------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 2,5,6-12+13] | | | |
| Lymph Node | Mediastinal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-14] | | | |
| Mesentery | | Necrosis | Marked |
| [Necrosis TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Angiectasis | Moderate |
| [Angiectasis TGLS = 4-6] | | | |
| * Spleen | | Lymphoma Malignant | |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|--|------------------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| | [Pheochromocytoma Benign TGLS = 3-13] | | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Lymphoma Malignant | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 2-12] | Lymphoma Malignant | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-14] | | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 5-6] | | |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 1-4] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 285 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404835 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|----------|-------------|--------------------|------------------|
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------------|---------------|----------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 1-7] | | | |
| * Pancreas | Acinus | Atrophy | Marked |
| | Duct | Cyst | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Uterus | | Hemangioma | |
| | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| * Heart | Artery | Inflammation | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-------------------|------------------------|----------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Pancreas | Acinus | Atrophy | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-6] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---|-----------------------|---|--|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Carcinoma | Mild Minimal |
| * Harderian Gland | | | |
| [Carcinoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 5,6-14+15] | | | |
| * Lung | Alveolus Arteriole | Infiltration Cellular Inflammation Inflammation Necrosis | Histiocyte, Minimal Mild Minimal Moderate |
| Mesentery | | | |
| [Necrosis TGLS = 3,4-12+13] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 7-5] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 290 | TRT#: 4 | SEX: Female | DAY ON TEST: 386 |
| | DOSE: 100 MG/KG | DISP: Natural Death | HISTO: 0404840 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|-------------|--------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Eye | | | |
| Note: optic nerve = missing. | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| [Hepatocellular Carcinoma TGLS = 2-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---|---------------|--------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 4,5,6,7,9,10-13+14+16] | | | |
| [Hepatocellular Carcinoma TGLS = 3-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 8-15] | | | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 2-7] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Stomach, Glandular | | Mineralization | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 2-13] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 3-6] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-------------------|---------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | | |

OBSERVATIONS

| | | | |
|-----------------------------|--|------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| Blood Vessel | Aorta | Inflammation | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Artery | Inflammation | Moderate |
| * Intestine Large, Cecum | Arteriole | Inflammation | Mild |
| * Intestine Large, Colon | Arteriole | Inflammation | Mild |
| * Intestine Small, Duodenum | Arteriole | Inflammation | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lymph Node, Mesenteric | Arteriole | Inflammation | Moderate |
| * Ovary | | Cyst | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Urinary Bladder | Arteriole, Muscularis | Degeneration | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 294

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---|---------------|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Clitoral Gland | | Inflammation | Minimal |
| * Intestine Small, Jejunum | Peyers Patch | Hyperplasia | Moderate |
| [Hyperplasia TGLS = 6-15] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 2,3-12+13] | | | |
| * Pancreas | Duct | Cyst | Marked |
| [Cyst TGLS = 4,5-14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 295

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|-------------------|------------------------|-------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Kidney | | Infarct | Minimal |
| | | Nephropathy | Minimal |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 296

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|---------------|---|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| | | Lymphoma Malignant | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Hepatocellular Carcinoma | |
| | | [Hepatocellular Adenoma TGLS = 1,3,4,6,7,8,11,12,13,14-12+13+14+15+16+17] | |
| | | [Hepatocellular Carcinoma TGLS = 5-14] | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Pancreatic | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 9-14] | |
| | | [Lymphoma Malignant TGLS = 10-13] | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Ovary | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Spleen | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 296 | TRT#: 4 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404846 |

ORGAN AND ACCOUNTABLE SITE STATUS

[Lymphoma Malignant TGLS = 2-4]

| | | | |
|----------|-------------|--------------------|----------------|
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 297 | TRT#: 4 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 100 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404847 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|--|--------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy Adenoma | Moderate Minimal Minimal |
| * Harderian Gland [Adenoma TGLS = 2-9] | | | |
| * Kidney Mesentery [Necrosis TGLS = 3,4-12+13] | | Nephropathy Necrosis | Minimal Moderate |
| * Pituitary Gland [Adenoma TGLS = 1-6] | Pars Distalis | Adenoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 4

SEX: Female

DAY ON TEST: 664

DOSE: 100 MG/KG

DISP: Natural Death

HISTO: 0404848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---------------------------|---|----------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | Hepatocyte | Hepatocellular Carcinoma | |
| | | Necrosis | Minimal |
| | [Hepatocellular Adenoma TGLS = 4-13] | | |
| | [Hepatocellular Carcinoma TGLS = 3-12] | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | | |
| Note: right ovary missing | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | | | |
| | [Hematopoietic Cell Proliferation TGLS = 1-4] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | | | |
| | [Hyperplasia TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 4

SEX: Female

DAY ON TEST: 664

DOSE: 100 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Tension Lipidosis | |
| * Nose | | Inflammation | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Hemangiosarcoma | |
| | [Hemangiosarcoma TGLS = 1-12] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404851

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|-------------|--------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infarct | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Skin | Subcut Tiss | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------------|-------------|-------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 3-12] | | | |
| * Ovary | | Cyst | Mild |
| | | Cystadenoma | |
| [Cyst TGLS = 2-7] | | | |
| [Cystadenoma TGLS = 1-7] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|---------------|--------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-12] | | | |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| [Hepatocellular Carcinoma TGLS = 3-12] | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-12] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304 TRT#: 6 SEX: Female DAY ON TEST: 728
DOSE: 200 MG/KG DISP: Terminal Sacrifice HISTO: 0404854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|---------------|---|-----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Mild Minimal Moderate |
| * Bone Marrow | | Hyperplasia | Mild |
| * Islets, Pancreatic | | Nephropathy | Minimal |
| * Kidney | | Hepatocellular Adenoma Inflammation | Minimal |
| * Liver | | | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404855

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|----------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| [Hepatocellular Carcinoma TGLS = 5-13] | | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 6-12] | | | |
| * Ovary | | Cyst | Moderate |
| [Cyst TGLS = 4-13] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Hemangioma | |
| [Hemangioma TGLS = 2-12] | | | |
| * Stomach, Glandular | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 3-12] | | | |
| Vagina | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 1-13] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404855

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 200 MG/KG

DISP: Natural Death

HISTO: 0404856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

| | | | |
|----------------------|---|---------------------------|--------------------|
| * Adrenal Cortex | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | Subcapsular | Hyperplasia | Minimal |
| | [Hepatocholangiocarcinoma TGLS = 3-13] | | |
| Blood Vessel | Aorta | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Heart | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | Hepatocyte | Hepatocholangiocarcinoma | |
| | [Hepatocholangiocarcinoma TGLS = 2-13] | Vacuolization Cytoplasmic | Diffuse, Minimal |
| * Lung | Mediastinum | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | [Hepatocholangiocarcinoma TGLS = 6-14] | | |
| | [Hepatocholangiocarcinoma TGLS = 4-14] | | |
| Lymph Node | Pancreatic | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | [Hepatocholangiocarcinoma TGLS = 7-13] | | |
| Mesentery | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Pancreas | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| Pleura | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| | [Hepatocholangiocarcinoma TGLS = 5-12+15] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 306 | TRT#: 6 | SEX: Female | DAY ON TEST: 458 |
| | DOSE: 200 MG/KG | DISP: Natural Death | HISTO: 0404856 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------|---------------|--------------------------|--------------------|
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Spleen | | Hepatocholangiocarcinoma | Metastatic (Liver) |
| * Thymus | | Atrophy | Mild |
| [Atrophy TGLS = 6-14] | | | |

PRIMARY CAUSE OF DEATH - Pleura Hepatocholangiocarcinoma Liver

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404857

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

[Hyperplasia TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 308

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|---------------|-----------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Thyroid Gland | Follicle | Cyst | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 6

SEX: Female

DAY ON TEST: 706

DOSE: 200 MG/KG

DISP: Natural Death

HISTO: 0404859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Mammary Gland |
| * Nose | * Pituitary Gland | * Salivary Glands | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

| | |
|--------------------------|---------------------|
| * Lymph Node, Mesenteric | * Parathyroid Gland |
|--------------------------|---------------------|

OBSERVATIONS

| | | | |
|---|---------------|---------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Heart | | Histiocytic Sarcoma | |
| | Myocardium | Mineralization | Mild |
| | Atrium | Thrombosis | Minimal |
| Note: suspect histiocytic sarcoma (atrium). | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Histiocytic Sarcoma | |
| | Hepatocyte | Necrosis | Moderate |
| [Histiocytic Sarcoma TGLS = 2-3+4+5] | | | |
| * Lung | | Histiocytic Sarcoma | |
| Lymph Node | Mediastinal | Histiocytic Sarcoma | |
| * Lymph Node, Mandibular | | Histiocytic Sarcoma | |
| * Ovary | Bilateral | Histiocytic Sarcoma | |
| * Pancreas | | Histiocytic Sarcoma | |
| * Skin | SOA Epidermis | Hyperplasia | Mild |
| | SOA Dermis | Inflammation | Mild |
| | SOA Epidermis | Ulcer | Moderate |
| [Hyperplasia TGLS = 1-12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 309 | TRT#: 6 | SEX: Female | DAY ON TEST: 706 |
| | DOSE: 200 MG/KG | DISP: Natural Death | HISTO: 0404859 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|---------------|---------------------|--------------------|
| Tooth | Peridont Tiss | Histiocytic Sarcoma | Metastatic (Liver) |
| * Uterus | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH - Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Clitoral Gland | | Inflammation | Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Kidney | | Infarct | Moderate |
| | | Nephropathy | Minimal |
| [Infarct TGLS = 2-4] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 3,4,5,6,7,8-12+13+14] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Urinary Bladder | Arteriole | Inflammation | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|-------------|--------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| Tooth | | Inflammation | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 314 | TRT#: 6 | SEX: Female | DAY ON TEST: 728 |
| | DOSE: 200 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404864 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|---|-------------|--|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation | Minimal |
| [Hepatocellular Adenoma TGLS = 2-5] [Hepatocellular Carcinoma TGLS = 4-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 315 | TRT#: 6 | SEX: Female | DAY ON TEST: 411 |
| | DOSE: 200 MG/KG | DISP: Natural Death | HISTO: 0404865 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------------|-------------|-----------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Angiectasis | Mild |
| * Harderian Gland | | Adenoma | |
| * Spleen | | Hemangiosarcoma | |
| | | | |
| [Hemangiosarcoma TGLS = 1-4] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 316

TRT#: 6

SEX: Female

DAY ON TEST: 573

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------|---------------|-------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|----------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Artery | Inflammation | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| | Pars Intermed | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|----------------|-----------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 472

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Eye | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Ovary | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|---------------------------------------|-------------|--------------------|----------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Lymphoma Malignant | |
| * Brain | Meninges | Lymphoma Malignant | |
| * Clitoral GI | | | |
| Note: 1 clitoral gland missing | | | |
| * Gallbladder | | Lymphoma Malignant | |
| * Kidney | | Lymphoma Malignant | |
| | | Nephropathy | Moderate |
| [Nephropathy TGLS = 3-4] | | | |
| * Liver | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 2-3+4+5] | | | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Mediastinal | Lymphoma Malignant | |
| | Pancreatic | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 5-13] | | | |
| [Lymphoma Malignant TGLS = 6-14] | | | |
| [Lymphoma Malignant TGLS = 4-12] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 6

SEX: Female

DAY ON TEST: 472

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404869

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|-------------|--------------------|-----------------|
| [Lymphoma Malignant TGLS = 8-6] | | | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 7-15] | | | |
| * Pancreas | | Lymphoma Malignant | |
| * Pituitary Gland | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |
| PRIMARY CAUSE OF DEATH | - Liver | Lymphoma Malignant | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|----------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---------------|----------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 729
DOSE: 200 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Ovary | | Cyst | Moderate |
| [Cyst TGLS = 2-7] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hemangiosarcoma Hyperplasia | Cystic, Moderate |
| [Hemangiosarcoma TGLS = 1-12] | | | |
| [Hyperplasia TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 6

SEX: Female

DAY ON TEST: 485

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404873

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------------|-------------|---------------|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone | Vertebra | Osteosarcoma | |
| [Osteosarcoma TGLS = 1-13] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Osteosarcoma | Metastatic (Bone) |
| * Ovary | | Cyst | Minimal |
| Spinal Cord | | Demyelination | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

- Bone Vertebra Osteosarcoma

CONTRIBUTORY CAUSE OF DEATH

- Lung Osteosarcoma Bone

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404874

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---------------------------------|---------------|-------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Clitoral GI | | | |
| Note: 1 clitoral gland missing. | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------------|---------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| | | Adenoma | |
| * Harderian Gland | | | |
| [Adenoma TGLS = 1-12] | | | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | | |
| Note: TGL3 = missing. | | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404876

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------------|----------------|----------------------------|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 5-9] | | | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| Note: TGL3 = not found on slide 5. | | | |
| | | | [Eosinophilic Focus TGLS = 3-12] |
| | | | [Hepatocellular Adenoma TGLS = 2,3,4,-4+12] |
| * Lung | Alveolar Epith | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | | | [Hyperplasia TGLS = 1-7] |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 200 MG/KG

DISP: Natural Death

HISTO: 0404878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|-------------|--------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| [Hepatocellular Carcinoma TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|--|-------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 1-5] | | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404880

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------------|----------------|-------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Tension Lipidosis | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 6

SEX: Female

DAY ON TEST: 657

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|--|-------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | Bile Duct | Cyst Eosinophilic Focus Hepatocellular Adenoma | Moderate |
| | | [Cyst TGLS = 4-13] [Hepatocellular Adenoma TGLS = 3-13] | |
| * Spleen | | Infiltration Cellular | Plasma Cell, Mild |
| | | [Infiltration Cellular TGLS = 2-4] | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | | [Hyperplasia TGLS = 1-12] | |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 332

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Carcinoma | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Hepatocellular Carcinoma TGLS = 2-12] | | |
| * Nose | Septum | Cyst | Moderate |
| | | Inflammation | Mild |
| | | Polyp, Inflammatory | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Thyroid Gl | | | |
| | Note: one thyroid gland missing. | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|---------------------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-4] | | |
| * Lung | Alveolar Epith | Hyperplasia | Moderate |
| * Lymph Node, Mesenteric | | Lymphoma Malignant Necrosis | Moderate |
| | [Lymphoma Malignant TGLS = 3-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Lymphoma Malignant | |
| | [Lymphoma Malignant TGLS = 1-12] | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|--|--|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Infiltration Cellular | Mononuclear CI, Moderate |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Spleen | | Infiltration Cellular | Plasma Cell, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 6

SEX: Female

DAY ON TEST: 584

DOSE: 200 MG/KG

DISP: Natural Death

HISTO: 0404885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Mild |
| | [Hepatocellular Adenoma TGLS = 2-13] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 3-12] | | |
| * Thyroid Gland | Follicular Cel | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 6

SEX: Female

DAY ON TEST: 645

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--|-------------|------------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis | Moderate |
| | | Hepatocellular Adenoma | |
| | | Mitotic Alteration | Minimal |
| [Angiectasis TGLS = 5-14] | | | |
| [Hepatocellular Adenoma TGLS = 6-13] | | | |
| Mesentery | | Inflammation | Mild |
| [Inflammation TGLS = 2-13] | | | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 4-7] | | | |
| * Skin | Subcut Tiss | Myxosarcoma | |
| [Myxosarcoma TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Myxosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|-------------|---------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Heart | Artery | Inflammation | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Nose | | Inflammation | Minimal |
| * Pancreas | Duct | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|--|-------------|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| [Alveolar/Bronchiolar Adenoma TGLS = 3-12] | | | |
| Mesentery | | Inflammation | Mild |
| * Skin | Subcut Tiss | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 2-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Mild |
| * Liver | | Angiectasis | Minimal |
| | | Hepatocellular Adenoma | Multiple |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Thyroid Gland | C Cell | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------|---------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 341

TRT#: 6

DOSE: 200 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 657

HISTO: 0404891

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| Blood Vessel | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Gallbladder | * Harderian Gland | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|-------------|---|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Moderate |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Hemangiosarcoma | |
| * Eye | Retina | Dysplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Carcinoma | |
| | | Histiocytic Sarcoma | |
| | | [Hepatocellular Carcinoma TGLS = 4-13] | |
| | | [Histiocytic Sarcoma TGLS = 3-12] | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Skin | SOA Dermis | Hemangiosarcoma | |
| | | [Hemangiosarcoma TGLS = 1-12] | |
| * Spleen | | Hemangiosarcoma | |
| | | Hematopoietic Cell Proliferation | Moderate |
| | | [Hematopoietic Cell Proliferation TGLS = 2-4] | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|----------------------|--|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Inflammation | Moderate Mild Minimal |
| * Esophagus | | Cardiomyopathy | Minimal |
| * Heart | Myocardium Myocardium Myocardium | Infiltration Cellular Vacuolization Cytoplasmic | Mononuclear CI, Minimal Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Hepatocellular Carcinoma Inflammation Vacuolization Cytoplasmic | Minimal Diffuse, Minimal |
| | Hepatocyte | | |
| | [Hepatocellular Adenoma TGLS = 6-15] | | |
| | [Hepatocellular Carcinoma TGLS = 5-14] | | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 3-13] | | |
| * Nose | Glands, Olfactory Epi | Dilatation Inflammation | Minimal Mild |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 342 | TRT#: 6 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 200 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404892 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--------------------------------------|-------------|----------------------|----------------|
| [Hyperplasia TGLS = 2-6] | | | |
| * Skin | Subcut Tiss | Fibrous Histiocytoma | |
| [Fibrous Histiocytoma TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 4-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 727
DOSE: 200 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---------------------------------------|---------------|------------------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Lymphoma Malignant Pigmentation | Hemosiderin, Minimal |
| [Lymphoma Malignant TGLS = 2-3+4+5] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-6] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-12] | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 729
DOSE: 200 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Jejunum |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|---|----------------------------------|-----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Mild |
| * Intestine Small, Ileum | | Inflammation | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-12] | | |
| * Lymph Node, Mesenteric | | Infiltration Cellular | Plasma Cell, Moderate |
| | [Infiltration Cellular TGLS = 5-5] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 3-6] | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | [Hematopoietic Cell Proliferation TGLS = 1-4] | | |
| * Stomach, Glandular | Glands | Cyst | Minimal |
| * Thymus | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| | [Hyperplasia TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 345 | TRT#: 6 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 200 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404895 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------|--|--------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Carcinoma | |
| | | Inflammation | Minimal |
| | [Hepatocellular Carcinoma TGLS = 1-12] | | |
| * Ovary | | Cystadenoma | |
| | [Cystadenoma TGLS = 2-7] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Trachea | * Urinary Bladder | | |

MISSING

* Clitoral Gland

OBSERVATIONS

| | | | |
|--------------------------------------|------------------------|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Inflammation | Minimal |
| | | Regeneration | Mild |
| | | Tension Lipidosis | |
| | Hepatocyte | Vacuolization Cytoplasmic | Diffuse, Minimal |
| [Regeneration TGLS = 4-13] | | | |
| * Nose | Glands, Respirat Epith | Dilatation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Schwannoma Malignant | |
| [Schwannoma Malignant TGLS = 1-12] | | | |
| * Thyroid Gland | Follicular Cel | Adenoma | |
| [Adenoma TGLS = 5-3] | | | |
| * Uterus | Endometrium | Carcinoma | |
| | | Hyperplasia | Cystic, Mild |
| [Carcinoma TGLS = 2-7] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 6

SEX: Female

DAY ON TEST: 701

DOSE: 200 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404896

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

- Uterus Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|--------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Eye | | | |
| Note: optic nerve in slide 2. | | | |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma Inflammation | Multiple Minimal |
| [Hepatocellular Adenoma TGLS = 2,3,4,5-12+13+14] | | | |
| * Nose | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 6-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 6

SEX: Female

DAY ON TEST: 606

DOSE: 200 MG/KG

DISP: Natural Death

HISTO: 0404898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|-------------|---|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| * Bone Marrow | | Hemangiosarcoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| | Hepatocyte | Necrosis | Minimal |
| * Ovary | | Hemangiosarcoma | |
| * Spleen | | Hematopoietic Cell Proliferation | Moderate |
| | | [Hematopoietic Cell Proliferation TGLS = 1-4] | |
| * Uterus | | Hemangiosarcoma | |
| | Endometrium | Hyperplasia | Cystic, Minimal |
| | | [Hemangiosarcoma TGLS = 2-7] | |

PRIMARY CAUSE OF DEATH - Uterus Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------------|---------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Kidney | | Infarct | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 6

SEX: Female

DAY ON TEST: 728

DOSE: 200 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|-------------|---|--------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Mild Mild Moderate |
| * Bone Marrow | | | |
| * Eye | | | |
| Note: optic nerve in slide 2. | | | |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Inflammation Tension Lipidosis | Minimal |
| [Hepatocellular Adenoma TGLS = 3-12] | | | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------|--|------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Epicardium | Inflammation | Moderate |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Lung | Serosa | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Mild |
| | | Inflammation | Moderate |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-14] | | |
| | Mesentery | Fibrous Histiocytoma | |
| | [Fibrous Histiocytoma TGLS = 3-13] | | |
| * Ovary | | Hemangioma | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 2-6] | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404901

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Fibrous Histiocytoma

Metastatic (Uncertain Primary Site)

* Uterus

Endometrium

Hyperplasia

Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 2,3,4-12+13+14] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------|--------------------------|---|----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Mild Minimal Minimal |
| * Bone Marrow | | Adenoma | |
| * Harderian Gland | | Cardiomyopathy | Minimal |
| * Heart | Myocardium Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Kidney | | Mineralization Nephropathy | Minimal Minimal |
| * Liver | | Clear Cell Focus Hepatocellular Adenoma Hepatocellular Carcinoma Tension Lipidosis | |
| | | [Hepatocellular Adenoma TGLS = 2-13] [Hepatocellular Carcinoma TGLS = 1-12] | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| Mesentery | | Necrosis | Moderate |
| | | [Necrosis TGLS = 3-14] | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Thymus | | Thymoma Malignant | |
| | | [Thymoma Malignant TGLS = 5-15] | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404903

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

| | | | |
|--|-------------|---------------------------|-------------------------|
| * Adrenal Cortex | | Angiectasis | Mild |
| * Clitoral GI | | | |
| Note: 1 clitoral gland missing. | | | |
| * Gallbladder | Epithelium | Cyst | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Moderate |
| [Nephropathy TGLS = 2-4] | | | |
| * Liver | Hepatocyte | Tension Lipidosis | |
| | | Vacuolization Cytoplasmic | Diffuse, Mild |
| [Vacuolization Cytoplasmic TGLS = 1,3+4+5] | | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 3-7] | | | |
| * Skin | Subcut Tiss | Fibrous Histiocytoma | |
| [Fibrous Histiocytoma TGLS = 4-12] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 354 | TRT#: 8 | SEX: Female | DAY ON TEST: 659 |
| | DOSE: 400 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404904 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------|---|-------------|--------------|
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |
| PRIMARY CAUSE OF DEATH | - Skin Subcut Tiss Fibrous Histiocytoma | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|-------------------------------|---------------|----------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| Mesentery | | Inflammation | Mild |
| | | Necrosis | Moderate |
| [Necrosis TGLS = 1,2-12+13] | | | |
| * Nose | | Inflammation | Minimal |
| * Ovary | | Hemorrhage | Moderate |
| [Hemorrhage TGLS = 3-7] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|---|------------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | [Hepatocellular Adenoma TGLS = 2,3,4-5+13+14] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| * Uterus | | Histiocytic Sarcoma | |
| | Endometrium | Hyperplasia | Cystic, Mild |
| | [Histiocytic Sarcoma TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 8

SEX: Female

DAY ON TEST: 615

DOSE: 400 MG/KG

DISP: Natural Death

HISTO: 0404907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | |

OBSERVATIONS

| | | | |
|------------------------|---------------|------------------------------------|----------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Mild |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Lymphoma Malignant | |
| | | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| | | Pigmentation | Hemosiderin, Minimal |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| Mesentery | | Inflammation | Minimal |
| | | Necrosis | Moderate |
| | | [Necrosis TGLS = 3-12] | |
| * Nose | | Inflammation | Minimal |
| * Salivary Glands | | Lymphoma Malignant | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | SOA Epidermis | Hyperplasia | Minimal |
| | SOA Dermis | Inflammation | Minimal |
| * Spleen | | Lymphoma Malignant | |
| | | [Lymphoma Malignant TGLS = 1-12] | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|----------------------------|-------------------------|
| ANIMAL ID: 357 | TRT#: 8 | SEX: Female | DAY ON TEST: 615 |
| | DOSE: 400 MG/KG | DISP: Natural Death | HISTO: 0404907 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|--|-------------|------------------------------------|-----------------|
| * Thymus [Lymphoma Malignant TGLS = 2-12] | | Lymphoma Malignant | |
| * Urinary Bladder | | Amyloid Deposition Inflammation | Mild Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------------------------|----------------|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Kidney | | Infarct | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| [Eosinophilic Focus TGLS = 2-12] | | | |
| * Nose | Respirat Epith | Hyperplasia | Mild |
| | | Inflammation | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mandibular | * Mammary Gland | * Nose | * Ovary |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--------------------------|--|----------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Histiocytic Sarcoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hematopoietic Cell Proliferation | Minimal |
| | | Hepatocellular Adenoma | |
| | | Histiocytic Sarcoma | |
| | | Inflammation | Minimal |
| | Hepatocyte | Necrosis | Mild |
| | [Hepatocellular Adenoma TGLS = 6-13] | | |
| | [Necrosis TGLS = 5-3+4+5] | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | [Alveolar/Bronchiolar Carcinoma TGLS = 7-13] | | |
| * Lymph Node, Mesenteric | | Histiocytic Sarcoma | |
| Mesentery | | Necrosis | Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 359 | TRT#: 8 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404909 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|-------------------------------------|---------------|---------------------|----------------|
| [Necrosis TGLS = 3-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Spleen | | Histiocytic Sarcoma | |
| [Histiocytic Sarcoma TGLS = 4-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1,2-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Eye | | | |
| Note: optic nerve in slide 2 | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| [Hepatocellular Adenoma TGLS = 1,2,3-12+13+14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Fibrosarcoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 713

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | |

OBSERVATIONS

| | | | |
|----------------------------|-------------|--|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Histiocytic Sarcoma | |
| | | Mineralization | Minimal |
| * Intestine Small, Jejunum | | Histiocytic Sarcoma | |
| * Kidney | | Nephropathy | Mild |
| * Liver | Serosa | Fibrosis | Mild |
| | | Hepatocellular Adenoma | |
| | | Histiocytic Sarcoma | |
| | | [Fibrosis TGLS = 3-12+13] | |
| | | [Hepatocellular Adenoma TGLS = 2-13] | |
| | | [Histiocytic Sarcoma TGLS = 1-12] | |
| * Lung | | Histiocytic Sarcoma | |
| * Lymph Node, Mandibular | | Histiocytic Sarcoma | |
| * Lymph Node, Mesenteric | | Histiocytic Sarcoma | |
| * Ovary | | Cystadenoma | |
| | | Histiocytic Sarcoma | |
| | | [Cystadenoma TGLS = 4-7] | |
| * Spleen | | Histiocytic Sarcoma | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Urinary Bladder | | Histiocytic Sarcoma | |
| * Uterus | Endometrium | Histiocytic Sarcoma | |
| | | Hyperplasia | Cystic, Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 8

SEX: Female

DAY ON TEST: 713

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404911

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

- Liver Histiocytic Sarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 8

SEX: Female

DAY ON TEST: 657

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|-------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Mild |
| * Liver | Hepatocyte | Tension Lipidosis | |
| | [Vacuolization Cytoplasmic TGLS = 3-3+4+5] | Vacuolization Cytoplasmic | Diffuse, Moderate |
| * Nose | | Inflammation | Moderate |
| * Ovary | | Cyst | Moderate |
| | [Cyst TGLS = 2-7] | | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| * Salivary Glands | | Hemangioma | |
| Tooth | | Dysplasia | |
| | Peridont Tiss | Fibrosis | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

- UNCERTAIN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|----------------|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Thymus | | Hyperplasia | Lymphoid, Marked |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Mammary Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-----------------------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Kidney | | Lymphoma Malignant Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Lymphoma Malignant | |
| Lymph Node | Bronchial | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Nose | Respirat Epith | Hyperplasia Inflammation | Mild Minimal |
| * Ovary | | Cyst Lymphoma Malignant | Mild |
| [Cyst TGLS = 3-7] | | | |
| * Pancreas | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404914

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Lymphoma Malignant

* Uterus

Histiocytic Sarcoma

Endometrium

Hyperplasia

Cystic, Moderate

Lymphoma Malignant

[Histiocytic Sarcoma TGLS = 2-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 8

SEX: Female

DAY ON TEST: 696

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404915

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|---|---------------|----------------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 4-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Skin | Subcut Tiss | Schwannoma Malignant | |
| [Schwannoma Malignant TGLS = 1-13] | | | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| [Hematopoietic Cell Proliferation TGLS = 2-4] | | | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 5-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Schwannoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Spleen | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Fibrosis | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Lung | Alveolar Epith | Hyperplasia | Minimal |
| Lymph Node | | Fibrosarcoma | Metastatic (Skin) |
| | [Fibrosarcoma TGLS = 3-13] | | |
| * Mammary GI | | | |
| | Note: fibrosarcoma (TGL 2) extends into mammary gland | | |
| * Skin | Subcut Tiss | Fibrosarcoma | |
| | [Fibrosarcoma TGLS = 2-12] | | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 4-14] | | |
| * Thymus | | Fibrosarcoma | Metastatic (Skin) |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 8

SEX: Female

DAY ON TEST: 709

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404916

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

- Skin Subcut Tiss Fibrosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 728
DOSE: 400 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|----------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Bone [Osteosarcoma TGLS = 6-12] | Vertebra | Osteosarcoma | |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Harderian Gland [Adenoma TGLS = 1-9] | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Liver | Bile Duct | Cyst Inflammation | Moderate Minimal |
| | | | [Cyst TGLS = 4-5] |
| * Lung | | Osteosarcoma | Metastatic (Bone) |
| * Pituitary Gland [Hyperplasia TGLS = 5-13] | Pars Distalis | Hyperplasia | Mild |
| * Uterus [Hyperplasia TGLS = 2,3-7] | Endometrium | Hyperplasia | Cystic, Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------------|-------------|-----------------------------------|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Minimal |
| * Eye Note: optic nerve missing | | | |
| * Heart | Artery | Inflammation | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Angiectasis Eosinophilic Focus | Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 721
DOSE: 400 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|---|--|---------------------------|-------------------------|
| * Adrenal Cortex Note: 1 adrenal gland missing | Subcapsular | Hyperplasia | Mild |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Atrium | Thrombosis | Moderate |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Hepatocellular Carcinoma | |
| | Hepatocyte | Hypertrophy | Mild |
| | | Inflammation | Minimal |
| | Hepatocyte | Necrosis | Moderate |
| | [Hepatocellular Carcinoma TGLS = 3-12] | | |
| | [Necrosis TGLS = 4,5-12+13] | | |
| * Lung | | Hepatocellular Carcinoma | Metastatic (Liver) |
| | Alveolus | Infiltration Cellular | Histiocyte, Moderate |
| * Ovary Note: 1 ovary missing | | | |
| * Skin | Subcut Tiss | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLS = 2-14] | | |
| * Spleen | | Hyperplasia | Lymphoid, Moderate |
| | [Hyperplasia TGLS = 1-4] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 8

SEX: Female

DAY ON TEST: 721

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404919

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

- Liver Hepatocellular Carcinoma

CONTRIBUTORY CAUSE OF DEATH

- Heart Atrium Thrombosis

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--|------------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Inflammation | Minimal |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| | Alveolar Epith | Hyperplasia | Minimal |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Ovary | | Cyst | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 371 | TRT#: 8 | SEX: Female | DAY ON TEST: 671 |
| | DOSE: 400 MG/KG | DISP: Moribund Sacrifice | HISTO: 0404921 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------------|---------------|-------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Intestine Small, Jejunum | Epithelium | Hyperplasia | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-6] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Pituitary Gland Pars Distalis Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 650
DOSE: 400 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------|--|---------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | Hepatocyte | Hepatocellular Adenoma | Multiple |
| | | Vacuolization Cytoplasmic | Diffuse, Minimal |
| | [Hepatocellular Adenoma TGLS = 2,3,4,5,6-3+4+13+14+15] | | |
| * Ovary | | Cyst | Minimal |
| | | Hemangioma | |
| | [Hemangioma TGLS = 1-7] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| | [Hyperplasia TGLS = 8-12] | | |
| * Skin | Subcut Tiss | Schwannoma Malignant | |
| | [Schwannoma Malignant TGLS = 7-15] | | |
| * Stomach, Glandular | Epithelium | Cyst | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Skin Subcut Tiss Schwannoma Malignant
CONTRIBUTORY CAUSE OF DEATH - Liver Hepatocellular Adenoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 373 | TRT#: 8 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404923 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

| | | | |
|-------------------------|---------------|--------------------|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Harderian Gland | | Adenoma | |
| [Adenoma TGLS = 1-9] | | | |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|---|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | Multiple |
| | | Mixed Cell Focus | |
| | [Hepatocellular Adenoma TGLS = 3,4,5-12+13] | | |
| | [Mixed Cell Focus TGLS = 2-12] | | |
| * Ovary | | Cyst | Moderate |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| * Skin | SOA Epidermis | Hyperplasia | Minimal |
| Tooth | | Dysplasia | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 375 | TRT#: 8 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404925 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

| | | | |
|--|-------------|-----------------------------------|---------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Moderate Minimal |
| * Kidney | | Lymphoma Malignant Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| [Hepatocellular Adenoma TGLS = 2-5] | | | |
| * Spleen | | Lymphoma Malignant | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 3-5] | | | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------|--|--------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| | [Squamous Cell Papilloma TGLS = 3-5] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---|------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1,2,3,4,5-12+13+14+15] | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Uterus | Myometrium | Cyst | Mild |
| | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Parathyroid Gland | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | |

OBSERVATIONS

| | | | |
|--------------------------|--|--|-----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Lymphoma Malignant | Mild Minimal |
| * Gallbladder | | Lymphoma Malignant | |
| * Heart | | Lymphoma Malignant | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Lymphoma Malignant | |
| * Lung | | Alveolar/Bronchiolar Adenoma Lymphoma Malignant | |
| | [Alveolar/Bronchiolar Adenoma TGLS = 4-12] | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| Mesentery | | Necrosis | Moderate |
| | [Necrosis TGLS = 1-12] | | |
| * Pancreas | | Lymphoma Malignant | |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Mild |
| * Salivary Glands | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 2-7] | | |

PRIMARY CAUSE OF DEATH - Heart Lymphoma Malignant

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 379

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| Blood Vessel | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--|---------------|------------------------|--------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Adrenal Medulla | | Hyperplasia | Mild |
| * Kidney | | Mineralization | Minimal |
| * Liver | | Angiectasis | Mild |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Angiectasis TGLS = 5-15] | | | |
| [Eosinophilic Focus TGLS = 3-13] | | | |
| [Hepatocellular Adenoma TGLS = 1,2,3,4-12+13+14] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 380 | TRT#: 8 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404930 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|-------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Tension Lipidosis | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Ovary | Interstit Cell | Hyperplasia | Marked |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|----------------------------|---------------|------------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Tension Lipidosis | |
| * Lung | | Alveolar/Bronchiolar Adenoma | |
| Mesentery | | Necrosis | Moderate |
| [Necrosis TGLS = 1-12] | | | |
| * Ovary | | Cyst | Moderate |
| | | Hemorrhage | Moderate |
| [Cyst TGLS = 3-7] | | | |
| [Hemorrhage TGLS = 3-7] | | | |
| * Pancreas | | Basophilic Focus | Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|---------------------------------------|---------------|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Tension Lipidosis | |
| [Hepatocellular Adenoma TGLS = 2-3] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Uterus | Endometrium | Adenoma | |
| | | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Stomach, Forestomach |
| * Stomach, Glandular | * Trachea | | |

OBSERVATIONS

| | | | |
|--------------------------|--|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Mild |
| * Eye | | Lymphoma Malignant | |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Lymphoma Malignant | |
| * Kidney | | Vacuolization Cytoplasmic | Minimal |
| | | Lymphoma Malignant | |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Lymphoma Malignant | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| | [Lymphoma Malignant TGLS = 3-13] | | |
| * Lung | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| Mesentery | | Lymphoma Malignant | |
| * Nose | | | |
| | Note: eosinophilic inclusions in respiratory epithelium. | | |
| * Ovary | | Cyst | Moderate |
| | | Lymphoma Malignant | |
| | [Cyst TGLS = 4-13] | | |
| * Pancreas | | Basophilic Focus | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 383 | TRT#: 8 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404933 |

ORGAN AND ACCOUNTABLE SITE STATUS

| | | | |
|------------------------------------|----------------|--------------------|--------------|
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Salivary Glands | | Lymphoma Malignant | |
| * Skin | Subcut Tiss | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-12] | | | |
| * Thymus | | Lymphoma Malignant | |
| * Thyroid Gland | Follicle | Cyst | Mild |
| | Follicular Cel | Hyperplasia | Minimal |
| | | Lymphoma Malignant | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Blood Vessel | * Bone | * Brain | * Clitoral Gland |
| * Esophagus | * Eye | * Gallbladder | * Harderian Gland |
| * Heart | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|----------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Bone Marrow | | Myelofibrosis | Mild |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 2-12] | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| | [Hyperplasia TGLS = 1-12] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404935

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |

OBSERVATIONS

| | | | |
|------------------------------------|----------------|------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Lymphoma Malignant | |
| * Lung | Alveolar Epith | Alveolar/Bronchiolar Adenoma | |
| | | Hyperplasia | Minimal |
| | | Lymphoma Malignant | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Ovary | | Cyst | Minimal |
| [Cyst TGLS = 1-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Moderate |
| * Salivary Glands | | Lymphoma Malignant | |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 3-12] | | | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| | | Polyp Stromal | |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|--------------------------|----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--|-------------|--------------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Intestine Small, Duodenum | | Adenoma | |
| [Adenoma TGLS = 6-14] | | | |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | Multiple |
| [Eosinophilic Focus TGLS = 4-12] | | | |
| [Hepatocellular Adenoma TGLS = 5-3+13] | | | |
| * Lung | | Alveolar/Bronchiolar Carcinoma | |
| | Alveolus | Infiltration Cellular | Histiocyte, Mild |
| [Alveolar/Bronchiolar Carcinoma TGLS = 3-12] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 2-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |
| [Hyperplasia TGLS = 1-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|------------------------|-------------|---------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Mild |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Inflammation | Minimal |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

| | | | |
|-------------------|---------------|--------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| | | Inflammation | Minimal |
| * Ovary | | Cyst | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Urinary Bladder | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 8

SEX: Female

DAY ON TEST: 728

DOSE: 400 MG/KG

DISP: Natural Death

HISTO: 0404939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|------------------|--|--|---|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Minimal |
| * Heart | Myocardium Myocardium Myocardium | Cardiomyopathy Infiltration Cellular Vacuolization Cytoplasmic | Minimal Mononuclear CI, Minimal Minimal |
| * Kidney | | Infiltration Cellular Mineralization | Mononuclear CI, Mild Minimal |
| * Liver | [Hepatocellular Adenoma TGLS = 4-12] | Hepatocellular Adenoma | |
| * Spleen | Note: focal capsule fracture accounts for TGL2 on slide 12. [Hemangiosarcoma TGLS = 1,2-12] | Hemangiosarcoma | |
| * Uterus | Endometrium | Hemorrhage Hyperplasia | Moderate Cystic, Mild |

PRIMARY CAUSE OF DEATH - Spleen Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|-------------------|---------------|-------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | Minimal |
| | Pars Distalis | Hyperplasia | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|----------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Harderian Gland | | Adenoma | |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Infarct | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 3-12] | | |
| * Ovary | | Cyst | Mild |
| | [Cyst TGLS = 2-12] | | |
| * Pancreas | Acinus | Hyperplasia | Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Glandular | Glands | Cyst | Minimal |
| * Uterus | | Adenoma | |
| | Endometrium | Hyperplasia | Cystic, Moderate |
| | [Hyperplasia TGLS = 1-7] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 392 | TRT#: 8 | SEX: Female | DAY ON TEST: 729 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404942 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------|--|------------------------|------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | [Hepatocellular Adenoma TGLS = 1-12] | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 8

SEX: Female

DAY ON TEST: 727

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Lung | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|---|---------------|--|----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hyperplasia Hypertrophy | Mild Minimal Minimal |
| * Eye | | | |
| Note: optic nerve missing | | | |
| * Intestine Small, Jejunum | Peyers Patch | Hyperplasia | Moderate |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus Hepatocellular Adenoma Inflammation | Multiple Minimal |
| [Hepatocellular Adenoma TGLS = 1,2-12+13] | | | |
| * Lymph Node, Mandibular | | Infiltration Cellular | Plasma Cell, Mild |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Stomach, Glandular | Glands | Cyst | Minimal |
| Tooth | Peridont Tiss | Fibrosis | Moderate |
| | Gingiva | Hyperplasia | Moderate |
| | Peridont Tiss | Inflammation | Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 3-13] | | | |

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 701
DOSE: 400 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 0404944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

| | | | |
|------------------------------------|-------------|---|----------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy Myelofibrosis | Mild Minimal Minimal |
| * Bone Marrow | | | |
| * Eye | | | |
| Note: optic nerve missing | | | |
| * Harderian Gland | | Adenoma | |
| * Heart | Myocardium | Cardiomyopathy Hemangiosarcoma | Mild |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Mild |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Clear Cell Focus | |
| [Clear Cell Focus TGLS = 2-12] | | | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| | Renal | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-13] | | | |
| [Lymphoma Malignant TGLS = 3-12] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Thymus | | Lymphoma Malignant | |
| * Uterus | | Hemangioma | |
| | Endometrium | Hyperplasia | Cystic, Marked |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 8

SEX: Female

DAY ON TEST: 701

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404944

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 1-13]

PRIMARY CAUSE OF DEATH

- Heart Hemangiosarcoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395 **TRT#:** 8 **SEX:** Female **DAY ON TEST:** 727
DOSE: 400 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 0404945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Lung |
| * Mammary Gland | * Nose | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | |

OBSERVATIONS

| | | | |
|------------------------------------|--------------------------|---|------------------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia Hypertrophy | Mild Mild |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Heart | Myocardium Myocardium | Cardiomyopathy Infiltration Cellular | Minimal Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Lymphoma Malignant Nephropathy | Minimal |
| * Liver | | Eosinophilic Focus | |
| Lymph Node | Lumbar | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 4-12] | | | |
| * Lymph Node, Mandibular | | Lymphoma Malignant | |
| * Lymph Node, Mesenteric | | Lymphoma Malignant | |
| * Ovary | | Cyst | Mild |
| [Cyst TGLS = 3-12] | | | |
| * Pancreas | Acinus | Hyperplasia | Minimal |
| * Spleen | | Lymphoma Malignant | |
| [Lymphoma Malignant TGLS = 1-4] | | | |
| * Urinary Bladder | | Lymphoma Malignant | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Eye | * Gallbladder |
| * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|--|---------------|---------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Moderate |
| | | Hypertrophy | Minimal |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| Note: TGL3 = NCL | | | |
| [Hepatocellular Adenoma TGLS = 2-12] | | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |
| * Stomach, Glandular | Glands | Cyst | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 8

SEX: Female

DAY ON TEST: 554

DOSE: 400 MG/KG

DISP: Natural Death

HISTO: 0404947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Gallbladder |
| * Harderian Gland | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Mammary Gland | * Nose |
| * Ovary | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|--------------------------|---|----------------------|------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| * Eye | Retina | Dysplasia | Minimal |
| * Kidney | | Nephropathy | Minimal |
| * Liver | Hepatocyte | Necrosis | Mild |
| * Lung | | Fibrous Histiocytoma | Metastatic (Mesentery) |
| | [Fibrous Histiocytoma TGLS = 4,5,6,7-13+14] | | |
| * Lymph Node, Mesenteric | | Fibrous Histiocytoma | Metastatic (Mesentery) |
| | [Fibrous Histiocytoma TGLS = 3-13] | | |
| Mesentery | | Fibrous Histiocytoma | |
| | [Fibrous Histiocytoma TGLS = 1-12] | | |
| * Pancreas | Arteriole | Inflammation | Minimal |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH - Mesentery Fibrous Histiocytoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

| | | | |
|-----------------------|------------------------|---------------------------------|-------------------------|
| ANIMAL ID: 398 | TRT#: 8 | SEX: Female | DAY ON TEST: 727 |
| | DOSE: 400 MG/KG | DISP: Terminal Sacrifice | HISTO: 0404948 |

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|-----------------------------|--------------------------|----------------------------|---------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum | * Kidney |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |

OBSERVATIONS

| | | | |
|----------------------|---------------|---------------------------|--------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Minimal |
| | | Hypertrophy | Minimal |
| * Harderian Gland | Epithelium | Hyperplasia | Mild |
| * Heart | Myocardium | Vacuolization Cytoplasmic | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Liver | | Clear Cell Focus | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Thymus | | Hyperplasia | Lymphoid, Moderate |
| * Uterus | Endometrium | Hyperplasia | Cystic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06
Test Type: CHRONIC
Route: SKIN APPLICATION
Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: bis(2-Chloroethoxy)methane
CAS Number: 111-91-1

Date Report Requested: 10/17/2014
Time Report Requested: 22:44:28
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 8

SEX: Female

DAY ON TEST: 689

DOSE: 400 MG/KG

DISP: Moribund Sacrifice

HISTO: 0404949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Medulla | Blood Vessel | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Pituitary Gland |
| * Salivary Glands | * Spleen | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

* Parathyroid Gland

OBSERVATIONS

| | | | |
|------------------------|---|--------------------------|-------------------------|
| * Adrenal Cortex | Subcapsular | Hyperplasia | Mild |
| | | Hypertrophy | Minimal |
| * Heart | Myocardium | Cardiomyopathy | Minimal |
| | Myocardium | Infiltration Cellular | Mononuclear CI, Minimal |
| * Islets, Pancreatic | | Hyperplasia | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Hepatocellular Carcinoma | |
| | [Hepatocellular Carcinoma TGLS = 3-13] | | |
| * Skin | SOA Dermis | Fibrosis | Minimal |
| | Subcut Tiss | Fibrous Histiocytoma | |
| | SOA Epidermis | Hyperplasia | Minimal |
| | [Fibrous Histiocytoma TGLS = 1,2-12+13] | | |
| * Stomach, Forestomach | Epithelium | Hyperplasia | Minimal |
| * Thymus | | Hyperplasia | Lymphoid, Mild |
| * Uterus | Endometrium | Hyperplasia | Cystic, Minimal |

PRIMARY CAUSE OF DEATH - Liver Hepatocellular Carcinoma

* PROTOCOL REQUIRED TISSUE

Experiment Number: 99028-06

Test Type: CHRONIC

Route: SKIN APPLICATION

Species/Strain: Mouse/B6C3F1

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: bis(2-Chloroethoxy)methane

CAS Number: 111-91-1

Date Report Requested: 10/17/2014

Time Report Requested: 22:44:28

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 400

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 400 MG/KG

DISP: Terminal Sacrifice

HISTO: 0404950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

| | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | Blood Vessel | * Bone |
| * Brain | * Clitoral Gland | * Esophagus | * Eye |
| * Gallbladder | * Harderian Gland | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

| | | | |
|--|-------------|--------------------------|----------------|
| * Adren Cortex | | | |
| Note: 1 adrenal gland missing | | | |
| * Bone Marrow | | Myelofibrosis | Minimal |
| * Islets, Pancreatic | | Hyperplasia | Minimal |
| * Kidney | | Infarct | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Hepatocellular Adenoma | |
| | | Hepatocellular Carcinoma | |
| [Hepatocellular Adenoma TGLS = 4-14] | | | |
| [Hepatocellular Carcinoma TGLS = 3-13] | | | |
| * Ovary | | Cyst | Marked |
| | | Hemorrhage | Mild |
| | | Thrombosis | Moderate |
| [Cyst TGLS = 1-12] | | | |
| * Uterus | Endometrium | Hyperplasia | Cystic, Marked |
| [Hyperplasia TGLS = 2-7] | | | |

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE