

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

C Number: C62135

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date: NONE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 888340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Mild
Note: MORE LIKE MURINE INTERSTITIAL PNEUMONIA			
Note: PERIVASCULAR CUFFING OF LYMPHOCYTES			
Note: WARTHIN-STARRY METHOD, NOT WIDERS RETICULUM			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 888341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Urinary Bladder	Artery	Mineralization	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 888342
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart			
Note: A FEW ANITSCHKOW MYOCYTES			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Nose			
Note: BLOOD IN NASAL CAVITY			

PRIMARY CAUSE OF DEATH	-
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Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 888343
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Mesentery
Nose	Pancreas	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Sem Ves			

Note: NORMAL. MESENTERIC FAT ADHERENT TO SEMINAL VESICLES.

PRIMARY CAUSE OF DEATH

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Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart			
Note: A CLUSTER OF ROUND CELLS			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Mild
Nose			
Note: BLOOD IN NASAL CAVITY			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 93 HISTO: 8888345
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart			
Note: CLUSTER OF ROUND CELLS			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	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	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Nose

Note: BLOOD IN NASAL CAVITY

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart	Cardiomyopathy	Minimal
Note: CLUSTERS OF ROUND CELLS		
Lung	Hemorrhage	Minimal
	Inflammation	Chronic Active, Mild
Note: WARTHIN-STARRY METHOD, NOT WILDERS RETICULUM		
Nose		
Note: BLOOD IN NASAL CAVITY		

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Prostate
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Spleen
Thymus

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Preputial Gland
Skeletal Muscle
Stomach - Glandular
Trachea

OBSERVATIONS

Heart
Note: ANITSCHKOW MYOCYTES
Note: LARGE CLUSTER OF ROUND CELLS AND
Liver
Note: NO FOCI DISCERNIBLE
Lung

Cardiomyopathy

Inflammation

Minimal

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		
Note: CLUSTERS OF MONONUCLEAR CELLS		
Lung	Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Heart

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Preputial Gland

Prostate

Seminal Vesicle

Spleen

Testes

Thymus

OBSERVATIONS

Lung

Inflammation

Chronic Active, Minimal

Urinary Bladder

Calculus Gross Observation

Calculus Micro Observation Only

Note: [CALCUS MIC OBS] TGLs = 1-9

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Heart	Kidney
Liver	Lymph Node - Mesenteric	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus			

OBSERVATIONS

Heart			
Note: CLUSTERS OF ROUND CELLS			
Lung		Hemorrhage	Mild
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ANGIECTASIS] TGLs = 1-9			
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Heart	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Thymus	

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lung		Hemorrhage	Moderate
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Heart	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Preputial Gland
Prostate	Seminal Vesicle	Spleen	Thymus

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Seminal Vesicle

Heart
Lymph Node - Mesenteric
Spleen

Liver
Preputial Gland
Thymus

Lung
Prostate

MISSING

Epididymis

OBSERVATIONS

Kidney
Testes

Renal Tubule

Regeneration
Atrophy

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Preputial Gland	Prostate	Seminal Vesicle
Thymus			

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Note: ROUND CELLS AND ANITSCHKOW MYOCYTES			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Spleen	Capsule	Fibrosis	Minimal
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Seminal Vesicle

Epididymis
Lymph Node - Mesenteric
Spleen

Kidney
Preputial Gland
Thymus

Liver
Prostate

OBSERVATIONS

Heart
Lung
Lymph Node
Testes

Pancreatic

Cardiomyopathy
Inflammation
Angiectasis
Atrophy

Minimal
Chronic Active, Minimal
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Heart	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus		

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Heart	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Thymus	

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Note: PROTEIN CASTS IN A FEW TUBULES			
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Lymphocyte, Moderate
Note: [INFILTRAT CELL] TGLs = 1-3			
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:58

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Heart

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Preputial Gland

Prostate

Seminal Vesicle

Spleen

Testes

Thymus

OBSERVATIONS

Lung

Inflammation

Chronic Active, Mild

Note: WARTHIN-STARRY METHOD, NOT WILDERS RETICULUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular

OBSERVATIONS

Epididymis [Aspermia TGLS = 2-7]		Aspermia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Testes Note: SPERMATOGENESIS NOT PRESENT IN ALL TUBULES. Note: [ATROPHY] TGLs = 1-7 Note: SPERM HEADS APPEARED TO BE BENT OUT OF SHAPE		Atrophy	Mild
Thymus		Depletion Lymphoid	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Heart	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus			

OBSERVATIONS

Epididymis		Aspermia	Mild
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Mild
Note: WARTHIN-STARRY METHOD, NOT WILDERS RETICULUM			
Testes		Atrophy	Mild
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Heart	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 3-7.1			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Spleen	Capsule	Fibrosis	Minimal
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Heart	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Spleen	Stomach - Forestomach	Stomach - Glandular

OBSERVATIONS

Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 2-7			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25	TRT#: 5 DOSE: 1500 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 92 HISTO: 888364
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone	Bone Marrow	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular

MISSING			
Thymus			

OBSERVATIONS			
Epididymis Note: [ASPERMIA] TGLs = 2-7		Aspermia	Moderate
Heart		Cardiomyopathy	Minimal
Lung		Inflammation	Chronic Active, Minimal
Spleen Note: [FIBROSIS] TGLs = 3-3 Note: CONGESTION AND PIGMENT	Capsule	Fibrosis	Mild
Testes Note: [ATROPHY] TGLs = 1-7		Atrophy	Moderate
Urinary Bladder Note: [CALCUS MIC OBS] TGLs = 4-9		Calculus Gross Observation Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland	Bone	Bone Marrow	Heart
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland
Preputial Gland	Prostate	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	

OBSERVATIONS

Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Heart		Cardiomyopathy	Minimal
Lung		Inflammation	Chronic Active, Minimal
Spleen	Capsule	Fibrosis	Mild
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Kidney	Liver	Lymph Node - Mesenteric
Pituitary Gland	Preputial Gland	Prostate	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Epididymis		Aspermia	Mild
Note: [ASPERMIA] TGLs = 3-7			
Heart		Cardiomyopathy	Minimal
Note: ROUND CELLS AND ANITSCHKOW MYOCYTES			
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ANGIECTASIS] TGLs = 1-9			
Testes		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus		

OBSERVATIONS

Epididymis [Aspermia TGLS = 2-7]	Aspermia	Moderate
Heart	Cardiomyopathy	Minimal
Testes Note: [ATROPHY] TGLs = 1-7	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Kidney	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Pituitary Gland	Preputial Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus			

OBSERVATIONS

Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 2-7			
Heart		Cardiomyopathy	Minimal
Spleen	Capsule	Fibrosis	Minimal
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Urinary Bladder

OBSERVATIONS

Bone			
Note: VERY FEW OSTEOCLASTS.			
Note: THINNING OF CEMENT LINES SUGGESTS OSTEOPOROSIS.			
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Depletion Lymphoid	Minimal
Pituitary Gland			
Note: DEGRANULATED CELLS			
Spleen	Capsule	Fibrosis	Mild
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Liver

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skeletal Muscle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Mammary Gland

Parathyroid Gland

OBSERVATIONS

Epididymis

Aspermia

Marked

Note: [ASPERMIA] TGLs = 2-7

Heart

Cardiomyopathy

Minimal

Note: A FEW ANITSCHKOW MYOCYTES

Intestine Large

Cecum, Lymphoid Tiss

Hyperplasia

Reticulum Cell, Mild

Note: COULD THIS BE LYMPHOID DEPLETION

Lung

Inflammation

Chronic Active, Mild

Pituitary Gland

Note: DEGRANULATED CELLS

Spleen

Capsule

Fibrosis

Moderate

Note: [FIBROSIS] TGLs = 3-3

Note: CONGESTION AND PIGMENT

Testes

Atrophy

Marked

Note: [ATROPHY] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Aspermia	Marked
Intestine Small	Ileum, Peyers Patch	Hyperplasia	Reticulum Cell, Minimal
Note: COULD THIS BE DEPLETION OR HYALINIZATION			
Liver		Hepatodiaphragmatic Nodule	
Lung		Inflammation	Chronic Active, Minimal
Spleen	Capsule	Fibrosis	Minimal
Note: [FIBROSIS] TGLs = 3-3			
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Thymus		Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Prostate
Skin
Thyroid Gland

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Pituitary Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Preputial Gland
Skeletal Muscle
Thymus

OBSERVATIONS

Epididymis
Note: [ASPERMIA] TGLs = 4-7
Lung
Pituitary Gland
Note: DEGRANULATED CELLS
Spleen
Note: [FIBROSIS] TGLs = 1-3
Note: CONGESTION AND PIGMENT
Testes
Note: [ATROPHY] TGLs = 3-7

Capsule

Aspermia
Inflammation
Fibrosis
Atrophy

Marked
Chronic Active, Minimal
Moderate
Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Epididymis		Aspermia	Marked
	Fat	Inflammation	Chronic Active, Minimal
Note: [ASPERMIA] TGLs = 3-7			
Lung		Inflammation	Chronic Active, Minimal
Pituitary Gland			
Note: DEGRANULATED CELLS			
Spleen	Capsule	Fibrosis	Mild
Note: [FIBROSIS] TGLs = 2-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Aspermia	Mild
Note: [ASPERMIA] TGLs = 2-7			
Note: SPERMATOZOA IN THE ACINI OF THE CAPUT			
Lung		Inflammation	Chronic Active, Minimal
Nose			
Note: BLOOD IN NASAL CAVITY			
Spleen	Capsule	Fibrosis	Mild
Note: [FIBROSIS] TGLs = 3-3			
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Spleen	Capsule	Fibrosis	Mild
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Liver			
Note: SINGLE CELL NECROSIS			
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: [ANGIECTASIS] TGLs = 5-3			
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Minimal
Spleen	Capsule	Fibrosis	Moderate
Note: CONGESTION AND PIGMENT			
Note: [FIBROSIS] TGLs = 3-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Stomach - Glandular
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Preputial Gland
Skeletal Muscle
Thymus

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Prostate
Skin
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Epididymis
Note: [ASPERMIA] TGLs = 4-7
Lung
Spleen
Note: CONGESTION AND PIGMENT
Testes
Note: [ATROPHY] TGLs = 3-7

Capsule

Aspermia

Inflammation
Fibrosis

Atrophy

Marked

Chronic Active, Mild
Mild

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Epididymis Note: [ASPERMIA] TGLs = 2-7		Aspermia	Marked
Liver Note: [HDN] TGLs = 4-6+6.1		Hepatodiaphragmatic Nodule	
Lung		Inflammation	Chronic Active, Minimal
Spleen Note: CONGESTION AND PIGMENT	Capsule	Fibrosis	Mild
Testes Note: [ATROPHY] TGLs = 1-7		Atrophy	Marked
Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Note: VERY FEW OSTEOCLASTS.			
Note: THINNING OF CEMENT LINES SUGGESTS OSTEOPOROSIS.			
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 3-7			
Heart		Cardiomyopathy	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 6-6.1			
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 5-8			
Pituitary Gland			
Note: DEGRANULATED CELLS			
Note: MANY CELLS STAIN POSITIVE WITH THE PAS			
Note: STAIN AND ARE POSSIBLY CASTRATION CELLS.			
Preputial Gland		Atrophy	Minimal
Prostate		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 4-7.1			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888380

ORGAN AND ACCOUNTABLE SITE STATUS

Skel Muscle

Note: MYOLYSIS

Spleen

Capsule

Fibrosis

Minimal

Testes

Atrophy

Marked

Note: [ATROPHY] TGLs = 2-7

Thymus

Depletion Lymphoid

Mild

Note: [DEPLET LYMPH] TGLs = 8-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Minimal
Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 2-7			
Heart		Cardiomyopathy	Minimal
Liver		Necrosis	Mild
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mandibular	Depletion Lymphoid	Minimal
	Mesenteric	Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 4-8			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild
Spleen	Capsule	Fibrosis	Minimal
Note: CONGESTION AND PIGMENT			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	Marked
Note: [DEPLET LYMPH] TGLs = 6-3			
Note: BROWN FAT INCREASED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888381

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43	TRT#: 9	SEX: Male	DAY ON TEST: 38
	DOSE: 4500 PPM	DISP: Natural Death	HISTO: 888382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Islets, Pancreatic	Liver	Lung	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Bacterium	
	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Kidney		Bacterium	Moderate
	Cortex	Mineralization	Mild
Lymph Node	Mandibular	Depletion Lymphoid	Mild
Nose			
Note: BACTERIAL COLONIES IN ORAL MUCOSA			
Pharynx	Palate	Bacterium	Mild
	Palate	Ulcer	Moderate
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Skeletal Muscle		Mineralization	Minimal
Spleen		Depletion Lymphoid	Moderate
	Capsule	Fibrosis	Mild
Stomach	Glandular	Mineralization	Minimal
Testes		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 38

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888382

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Depletion Lymphoid

Moderate

Note: [DEPLET LYMPH] TGLs = 2-3

Thyroid GI

Note: BACTERIAL COLONIES

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 39

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Islets, Pancreatic	Lung	Nose
Pancreas	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Trachea	

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Stomach - Glandular	Urinary Bladder

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Kidney		Bacterium	Moderate
		Infarct	Mild
Note: [BACTERIUM] TGLs = 4-4			
Note: BACTERIAL COLONIES IN CORTEX, PELVIS, AND PAPILLA			
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 5-6			
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Pharynx	Palate	Bacterium	Marked
	Palate	Ulcer	Moderate
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 3-7.1			
Spleen		Depletion Lymphoid	Moderate
Testes		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 39

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888383

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 1-7

Thymus

Depletion Lymphoid

Moderate

Note: [DEPLET LYMPH] TGLs = 7-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 37

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Colon	Intestine Small - Duodenum
Islets, Pancreatic	Liver	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Kidney		Inflammation	Acute, Moderate
Note: MORE LIKE PYELONEPHRITIS			
Lymph Node	Mandibular	Depletion Lymphoid	Mild
Nose			
Note: BACTERIAL COLONIES IN NASAL CAVITY AND ORAL MUCOSA			
Pharynx	Palate	Bacterium	Moderate
	Palate	Ulcer	Moderate
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Moderate
		Inflammation	Chronic Active, Moderate
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7.1			
Spleen		Depletion Lymphoid	Minimal
	Capsule	Fibrosis	Minimal
Stomach			
Note: GLANDULAR STOMACH: AUTOLYSIS OR EROSION			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 37

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888384

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Atrophy

Marked

Note: [ATROPHY] TGLs = 1-7

Thymus

Depletion Lymphoid

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 33

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Lung		Bacterium	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Mild
Pharynx	Palate	Bacterium	Mild
	Palate	Ulcer	Mild
Note: THROMBUS IN SUBMUCOSA			
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild
		Inflammation	Chronic Active, Moderate
Seminal Vesicle		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
	Capsule	Fibrosis	Minimal
Note: [DEPLET LYMPH] TGLs = 1-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 33

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888385

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach	Glandular	Erosion	Mild
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			
Thymus		Depletion Lymphoid	Marked
Note: BROWN FAT INCREASED			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 79

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Heart
Nose
Skeletal Muscle
Trachea

Adrenal Gland - Medulla
Islets, Pancreatic
Pancreas
Skin
Urinary Bladder

Brain
Liver
Parathyroid Gland
Stomach - Forestomach

Esophagus
Lymph Node - Mesenteric
Salivary Glands
Thyroid Gland

MISSING

Mammary Gland

Pituitary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Ileum

Intestine Large - Colon
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Bone
Bone Marrow
Epididymis
Kidney
Lung

Metaphysis

Cortex

Atrophy
Depletion Cellular
Aspermia
Mineralization
Inflammation

Moderate
Moderate
Marked
Minimal
Chronic Active, Minimal

Note: WARTHIN-STARRY METHOD, NOT WILDERS RETICULUM

Lymph Node
Preputial Gland
Prostate
Seminal Vesicle
Spleen

Mandibular

Depletion Lymphoid
Atrophy
Atrophy
Atrophy
Depletion Lymphoid
Erosion

Moderate
Mild
Moderate
Moderate
Moderate
Moderate

Note: BROWN-BLACK PIGMENT IN AREAS OF EROSION

Note: [EROSION] TGLs = 2-5+5.1

Note: EDEMA

Testes
Thymus

Atrophy
Depletion Lymphoid

Marked
Moderate

Note: BROWN FAT INCREASED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 79

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888386

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 35

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Liver

Preputial Gland

Prostate

Seminal Vesicle

Testes

PRIMARY CAUSE OF DEATH

-

Animal Note: ANIMAL PARTIALLY CANNIBALIZED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 64

DOSE: 4500 PPM

DISP: Moribund Sacrifice

HISTO: 888388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Nose	Pancreas	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Kidney	Cortex	Mineralization	Mild
Note: MINERALIZATION IN CORTEX AND PELVIS			
Liver			
Note: SINGLE CELL NECROSIS			
Lung		Hemorrhage	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Moderate
	Mandibular	Depletion Lymphoid	Mild
	Mediastinal	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Pancreas			
Note: ZYMOGEN GRANULES DECREASED			
Pituitary G1			
Note: A FEW CELLS STAIN POSITIVE WITH PAS STAIN			
Note: AND ARE PROBABLY THE CASTRATION CELLS			
Note: DEGRANULATED CELLS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 9

SEX: Male

DAY ON TEST: 64

DOSE: 4500 PPM

DISP: Moribund Sacrifice

HISTO: 888388

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland	Atrophy	Moderate
Prostate	Atrophy	Mild
	Metaplasia	Squamous, Minimal
Salivary Glands	Atrophy	Mild
Seminal Vesicle	Atrophy	Mild
Spleen	Depletion Lymphoid	Mild
Note: PIGMENT		
Testes	Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7		
Thymus	Depletion Lymphoid	Minimal
Note: INCREASE OF BROWN FAT		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 54

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Nose	Pancreas
Pituitary Gland	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Minimal
Epididymis		Aspermia	Marked
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Moderate
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Mild
Salivary Glands		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Depletion Lymphoid	Mild
Note: PIGMENT			
Testes		Atrophy	Marked
Thymus		Depletion Lymphoid	Marked

Note: [DEPLET LYMPH] TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51	TRT#: 11	SEX: Male	DAY ON TEST: 17
	DOSE: 6000 PPM	DISP: Natural Death	HISTO: 888390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Islets, Pancreatic	Kidney	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Note: VERY FEW OSTEOCLASTS.			
Note: THINNING OF CEMENT LINES SUGGESTS OSTEOPOROSIS.			
Bone Marrow		Depletion Cellular	Marked
Note: DEPLETION OF FAT AS WELL			
Epididymis		Aspermia	Marked
Kidney			
Note: INCREASE OF BROWN FAT AROUND KIDNEY			
Liver		Bacterium	Moderate
		Necrosis	Mild
Note: GRAM NEGATIVE BACTERIA			
Note: [NECROSIS] TGLs = 8-6+6.2			
Lung		Hemorrhage	Mild
Note: FIBRIN AND HEMOGLOBIN CRYSTALS IN AREA			
Note: OF HEMORRHAGE			
[Hemorrhage TGLS = 4-2]			
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Preputial Gland		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 11

SEX: Male

DAY ON TEST: 17

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888390

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Atrophy	Moderate
Salivary Glands		Atrophy	Mild
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 2-7.1			
Spleen		Depletion Lymphoid	Moderate
Note: CONGESTION			
[Depletion Lymphoid TGLS = 3-3]			
Stomach	Glandular	Erosion	Moderate
Note: [EROSION] TGLs = 6-5.1			
Testes		Atrophy	Marked
Note: A FEW INTERSTITIAL CELLS.			
Note: THE ONLY CELLS IN THE ATROPHIC SEMINI-			
Note: [ATROPHY] TGLs = 1-7			
Note: FERROUS TUBULES ARE SERTOLI CELLS. ONLY			
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: PROBABLE CAUSE OF DEATH: SEPTICEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 19

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Islets, Pancreatic	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Preputial Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Mild
Epididymis		Aspermia	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Bacterium	Moderate
Liver		Bacterium	Moderate
		Necrosis	Moderate

Note: [BACTERIUM] TGLs = 2-6

Note: GRAM NEGATIVE BACTERIA

Lymph Node	Mandibular	Depletion Lymphoid	
	Mediastinal	Depletion Lymphoid	
	Mesenteric	Depletion Lymphoid	

Note: [DEPLET LYMPH] TGLs = 1-8

Prostate		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
Stomach	Glandular	Mineralization	Minimal
Testes		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 19

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888391

ORGAN AND ACCOUNTABLE SITE STATUS

Thymus

Depletion Lymphoid

Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: PROBABLE CAUSE OF DEATH: SEPTICEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53	TRT#: 11 DOSE: 6000 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 22 HISTO: 888392
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Preputial Gland	Thymus	
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Mild
Epididymis		Aspermia	Moderate
Kidney	Papilla	Mineralization	Minimal
Liver			
Note: NO FOCUS: TGL #5			
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Pituitary Gland			
Note: A FEW DEGRANULATED CELLS			
Prostate		Atrophy	Moderate
Salivary Glands		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7.1			
Spleen		Depletion Lymphoid	Mild
	Capsule	Fibrosis	Minimal
Stomach	Glandular	Erosion	Mild
Note: [EROSION] TGLs = 6-5+5.1			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 22

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888392

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 28

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Note: [HEMORRHAGE] TGLs = 3-8			
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 2-7			
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Moderate
Liver		Bacterium	Moderate
Note: [BACTERIUM] TGLs = 4-6			
Note: GRAM NEGATIVE BACTERIA. MULTIPLE AREAS.			
Lymph Node	Mesenteric	Angiectasis	Moderate
	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Depletion Lymphoid	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 11

SEX: Male

DAY ON TEST: 28

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888393

ORGAN AND ACCOUNTABLE SITE STATUS

Stomach		
Note: FOCAL EDEMA		
Testes	Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7		
Thymus	Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 6-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla
Intestine Large - Rectum
Parathyroid Gland
Stomach - Forestomach

Brain
Islets, Pancreatic
Pituitary Gland
Thyroid Gland

Esophagus
Nose
Skeletal Muscle
Trachea

Intestine Large - Colon
Pancreas
Skin
Urinary Bladder

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland
Note: [HEMORRHAGE] TGLs = 2-8

Cortex

Hemorrhage

Moderate

Bone
Bone Marrow

Metaphysis

Atrophy
Depletion Cellular

Moderate
Moderate

Epididymis
Heart

Aspermia
Bacterium

Moderate
Minimal

Note: GRAM NEGATIVE BACTERIA

Kidney
Note: BACTERIAL COLONIES IN CORTEX AND PAPILLA

Bacterium

Mild

Liver
Note: [BACTERIUM] TGLs = 4-6

Bacterium

Moderate

Note: GRAM NEGATIVE BACTERIA. MULTIPLE AREAS

Lung
Note: GRAM NEGATIVE BACTERIA

Mediastinum

Bacterium

Mild

Lymph Node
Note: [DEPLET LYMPH] TGLs = 3-8

Mesenteric
Mandibular
Mesenteric

Angiectasis
Depletion Lymphoid
Depletion Lymphoid

Mild
Mild
Mild

Pituitary Gland
Note: DEGRANULATED CELLS

Preputial Gland

Atrophy

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 11

SEX: Male

DAY ON TEST: 29

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888394

ORGAN AND ACCOUNTABLE SITE STATUS

Prostate		Atrophy	Moderate
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Depletion Lymphoid	Moderate
Stomach	Glandular	Erosion	Moderate
	Glandular	Mineralization	Minimal
Note: [EROSION]	TGLs = 8-5+5.1		
Testes		Atrophy	Marked
Note: [ATROPHY]	TGLs = 1-7		
Thymus		Depletion Lymphoid	Marked
Note: [DEPLET LYMPH]	TGLs = 7-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 23

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Colon	Islets, Pancreatic	Kidney	Liver
Nose	Pancreas	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland Note: [HEMORRHAGE] TGLs = 1-8	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Kidney Note: INCREASE OF BROWN FAT			
Lung Note: FUNGI WITH SEPTATE HYPHAE - PROBABLY Note: ASPERGILLUS SP. IN A BRONCHIOLE.		Fungus Inflammation	Moderate Chronic Active, Moderate
Lymph Node	Mandibular Mesenteric	Depletion Lymphoid Depletion Lymphoid	Moderate Moderate
Nose Note: FIBRINOUS MATERIAL IN THE TURBINATE			
Pituitary Gland Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56	TRT#: 11	SEX: Male	DAY ON TEST: 23
	DOSE: 6000 PPM	DISP: Natural Death	HISTO: 888395

ORGAN AND ACCOUNTABLE SITE STATUS			
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Depletion Lymphoid	Mild
Stomach	Glandular	Erosion	Mild
Note: [EROSION] TGLs = 4-5.1			
Testes		Atrophy	Marked
Thymus		Depletion Lymphoid	Marked
Note: [DEPLET LYMPH] TGLs = 3-3			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 26

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skeletal Muscle	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Minimal
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Kidney			
Note: FOCAL INTERSTITIAL NEPHRITIS			
Liver			
Note: SINGLE CELL NECROSIS			
Lung		Hemorrhage	Minimal
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Moderate
Pituitary Gland			
Note: DEGRANULATION CELLS			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Moderate
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Spleen		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 2-3			
Stomach	Glandular	Erosion	Moderate
Note: EDEMA			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 26

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888396

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Atrophy

Marked

Note: [ATROPHY] TGLs = 1-7

Thymus

Depletion Lymphoid

Moderate

Note: [DEPLET LYMPH] TGLs = 4-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 11

SEX: Male

DAY ON TEST: 26

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Ear	Esophagus
Heart	Islets, Pancreatic	Kidney	Liver
Lung	Nose	Pancreas	Pituitary Gland
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland		

MISSING

Mammary Gland	Parathyroid Gland
---------------	-------------------

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Minimal
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Epididymis		Aspermia	Moderate
Kidney			
Note: BROWN FAT INCREASED			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Marked
Salivary Glands		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 2-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 4-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 26

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Nose	Pancreas
Pituitary Gland	Skeletal Muscle	Skin	Stomach - Forestomach
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Mammary Gland	Parathyroid Gland
---------------	-------------------

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Moderate
Pituitary Gland			
Note: DEGRANULATED CELLS			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Mild
Salivary Glands		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
Stomach	Glandular	Erosion	Mild
Note: [EROSION] TGLs = 3-5.1			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 11

SEX: Male

DAY ON TEST: 26

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Minimal
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Epididymis		Aspermia	Marked
Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Minimal
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Moderate
Salivary Glands		Atrophy	Mild
Seminal Vesicle		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
		[Depletion Lymphoid TGLS = 2-3]	
Testes		Atrophy	Marked
		Note: [ATROPHY] TGLs = 1-7	
Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

OBSERVATIONS

Heart
Note: A FEW ANITSCHKOW MYOCYTES
Kidney

Cortex

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Liver
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow
Kidney
Liver

Cortex

Fibrosis
Mineralization

Focal, Minimal
Minimal

Note: NO FOCUS DISCERNIBLE; NO RECUT NECESSARY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Vagina			

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
Thyroid GI			
Note: ECTOPIC THYMUS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Bone Marrow
Kidney
Ovary
[Cyst TGLS = 1-7]
Skel Muscle
Note: A FEW INFLAMMATORY CELLS; ? MYOLYSIS ?

Cortex

Fibrosis
Mineralization
Cyst

Focal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 2

SEX: Female

DAY ON TEST: 92

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

OBSERVATIONS

Kidney Cortex Mineralization Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Vagina

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Cortex	Mineralization	Mild
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus	Vagina		

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
Lung		Inflammation	Chronic Active, Minimal
Ovary		Cyst	

Note: [CYST] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

HISTO: 888407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Vagina

OBSERVATIONS

Kidney	Cortex	Mineralization	Mild
Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
Mesentery	Fat	Necrosis	Moderate
Note: [NECROSIS] TGLs = 1-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888048

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone Marrow
Heart
Intestine Small - Duodenum
Lung
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

MISSING

Mammary Gland

OBSERVATIONS

Kidney Cortex Mineralization Minimal
Liver Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLS = 1-6.2,2-6.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 888409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Vagina	

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney	Cortex	Mineralization	Mild
Liver		Hepatodiaphragmatic Nodule	
Note: NO FOCUS (TGL #2)			
Note: [HDN] TGLs = 1-6.1			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mesenteric

Clitoral Gland
Spleen

Liver
Thymus

Lymph Node - Mandibular
Uterus

OBSERVATIONS

Kidney
Lung
Ovary
Note: [CYST] TGLs = 1-7

Cortex

Mineralization
Inflammation
Cyst

Minimal
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Thymus

Clitoral Gland
Lymph Node - Mesenteric
Uterus

Liver
Ovary

Lung
Spleen

OBSERVATIONS

Kidney Cortex

Mineralization

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Spleen	Thymus	Uterus

OBSERVATIONS

Bone Marrow		Fibrosis	Focal, Minimal
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Lymph Node - Mesenteric

Kidney
Spleen

Liver
Thymus

Lymph Node - Mandibular
Uterus

OBSERVATIONS

Bone Marrow
Lung
Ovary
[Cyst TGLS = 1-7]

Fibrosis
Inflammation
Cyst

Focal, Minimal
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mesenteric
Uterus

Clitoral Gland
Ovary

Liver
Spleen

Lymph Node - Mandibular
Thymus

OBSERVATIONS

Kidney
Lung

Cortex

Mineralization
Inflammation

Mild
Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Spleen	Thymus	Uterus

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Hemorrhage	Mild
Ovary		Cyst	

Note: [CYST] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Kidney

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Ovary

Spleen

Thymus

Uterus

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

[Hepatodiaphragmatic Nodule TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Spleen	Thymus
Uterus			

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Hemorrhage	Minimal
		Inflammation	Chronic Active, Minimal
Pituitary Gland	Pars Distalis	Cyst	

Note: [CYST] TGLs = 1-8

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Uterus

Clitoral Gland
Lymph Node - Mesenteric

Liver
Spleen

Lung
Thymus

OBSERVATIONS

Kidney
Ovary
Note: [CYST] TGLs = 1-7

Cortex

Mineralization
Cyst

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 750 PPM

DISP: Terminal Sacrifice

HISTO: 888419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Spleen	Thymus	Uterus

OBSERVATIONS

Bone Marrow		Fibrosis	Focal, Minimal
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Hemorrhage	Mild
		Inflammation	Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland	Liver	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Uterus	Vagina	

OBSERVATIONS

Bone Marrow		Fibrosis	Focal, Moderate
Kidney	Cortex	Mineralization	Minimal
Ovary		Cyst	
Note: [CYST] TGLs = 1-7			
Spleen	Capsule	Fibrosis	Minimal
Thymus		Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888421

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Thymus	Uterus	Vagina

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 1-6.1			
Lung		Inflammation	Chronic Active, Minimal
Spleen	Capsule	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888422

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Ovary	Spleen	Thymus
Uterus	Vagina		

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888423

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Vagina

Lymph Node - Mandibular

Thymus

Uterus

OBSERVATIONS

Bone Marrow

Fibrosis

Focal, Minimal

Kidney

Cortex

Mineralization

Mild

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 3-6

Lung

Inflammation

Chronic Active, Mild

Lymph Node

Mesenteric

Infiltration Cellular

Histiocyte, Mild

Ovary

Cyst

Note: [CYST] TGLs = 1-7

Spleen

Depletion Lymphoid

Mild

Note: CONGESTION AND PIGMENT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888424

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Lymph Node - Mandibular
Vagina

Kidney
Ovary

Liver
Thymus

Lung
Uterus

OBSERVATIONS

Bone Marrow
Lymph Node
Spleen
Note: CONGESTION AND PIGMENT

Mesenteric
Capsule

Fibrosis
Infiltration Cellular
Fibrosis

Focal, Mild
Histiocyte, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Lymph Node - Mandibular
Thymus

Kidney
Lymph Node - Mesenteric
Uterus

Liver
Ovary
Vagina

Lung
Spleen

OBSERVATIONS

Bone Marrow

Fibrosis

Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888426

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Lymph Node - Mesenteric
Uterus

Liver
Ovary
Vagina

Lung
Spleen

Lymph Node - Mandibular
Thymus

OBSERVATIONS

Bone Marrow
Kidney

Cortex

Fibrosis
Mineralization

Focal, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888427

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Thymus

Clitoral Gland
Lymph Node - Mesenteric
Uterus

Liver
Ovary

Lung
Spleen

MISSING

Vagina

OBSERVATIONS

Kidney Cortex Mineralization Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888428

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Clitoral Gland
Spleen

Lymph Node - Mandibular
Thymus

Lymph Node - Mesenteric
Uterus

Ovary
Vagina

OBSERVATIONS

Bone Marrow
Kidney
Liver
Note: [HDN] TGLs = 1-6.1
Lung

Cortex

Depletion Cellular
Mineralization
Hepatodiaphragmatic Nodule

Minimal
Minimal

Inflammation

Chronic Active, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 1500 PPM

DISP: Terminal Sacrifice

HISTO: 888429

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Lymph Node - Mandibular
Thymus

Clitoral Gland
Lymph Node - Mesenteric
Uterus

Liver
Ovary

Lung
Spleen

MISSING

Vagina

OBSERVATIONS

Kidney

Cortex
Renal Tubule

Mineralization
Regeneration

Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888430

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

MISSING

Clitoral Gland

OBSERVATIONS

Kidney	Cortex	Mineralization	Minimal
Ovary		Atrophy	Mild
Spleen	Capsule	Fibrosis	Minimal
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888431

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Depletion Cellular	Minimal
Clitoral Gland		Atrophy	Mild
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Minimal
Lung		Inflammation	Chronic Active, Mild
Ovary		Atrophy	Mild
Pituitary Gland			
Note: DEGRANULATED CELLS			
Thymus		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888432

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow		Depletion Cellular	Mild
Kidney	Cortex	Mineralization	Minimal
Ovary		Atrophy	Minimal
Spleen		Depletion Lymphoid	Minimal
	Capsule	Fibrosis	Minimal
Note: CONGESTION AND PIGMENT			
Thymus		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 4-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888433

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

OBSERVATIONS

Bone Marrow		Depletion Cellular	Minimal
Clitoral Gland		Atrophy	Mild
Ovary		Atrophy	Mild
Note: [ATROPHY] TGLs = 1-7			
Spleen	Capsule	Fibrosis	Minimal
Note: CONGESTION AND PIGMENT			
Thymus		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 4-3			
Uterus		Atrophy	Moderate
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888434

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Vagina

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Liver
Nose
Salivary Glands
Stomach - Glandular

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Thyroid Gland

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Trachea

MISSING

Urinary Bladder

OBSERVATIONS

Bone Marrow

Clitoral Gland
Kidney
Lung
Ovary
Spleen
Note: CONGESTION AND PIGMENT
Thymus
Note: [DEPLET LYMPH] TGLs = 2-3
Uterus
Note: [ATROPHY] TGLs = 3-7

Cortex

Capsule

Depletion Cellular
Fibrosis
Atrophy
Mineralization
Inflammation
Atrophy
Fibrosis

Depletion Lymphoid

Atrophy

Mild
Focal, Mild
Minimal
Mild
Chronic Active, Minimal
Minimal
Mild

Mild

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888435

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Vagina

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Mammary Gland
Parathyroid Gland
Skin
Thyroid Gland

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Nose
Pituitary Gland
Spleen
Trachea

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Urinary Bladder

OBSERVATIONS

Bone Marrow
Clitoral Gland
Lung
Ovary

Note: DEGENERATION OF A FEW OOCYTES AND KARYO-

Note: RRHEXIS OF FOLLICULAR CELLS.

Thymus

Note: [DEPLET LYMPH] TGLs = 1-3

Uterus

Depletion Cellular
Atrophy
Inflammation

Depletion Lymphoid

Atrophy

Mild
Mild
Chronic Active, Minimal

Minimal

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Uterus

Bone
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Parathyroid Gland
Skin
Thyroid Gland
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Spleen
Trachea

OBSERVATIONS

Bone Marrow
Kidney
Thymus

Cortex

Fibrosis
Mineralization
Depletion Lymphoid

Focal, Mild
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888437

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Uterus

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Ovary
Skeletal Muscle
Stomach - Glandular
Vagina

MISSING

Mammary Gland

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Bone Marrow
Clitoral GI
Note: DISTENDED DUCT

Kidney
Ovary
Note: DEGENERATION OF A FEW OOCYTES

Thymus
Note: [DEPLET LYMPH] TGLs = 1-3

Fibrosis
Focal, Minimal

Mineralization
Minimal

Depletion Lymphoid
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888438

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mesenteric
Pancreas
Skin
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Bone
Heart
Intestine Small - Duodenum
Liver
Nose
Salivary Glands
Stomach - Glandular
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Skeletal Muscle
Thyroid Gland

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow
Kidney
Lung

Spleen
Note: CONGESTION AND PIGMENT
Thymus
Note: [DEPLET LYMPH] TGLs = 2-3
Uterus
Note: [ATROPHY] TGLs = 1-7

Cortex

Capsule

Depletion Cellular
Mineralization
Hemorrhage
Inflammation
Fibrosis

Depletion Lymphoid

Atrophy

Minimal
Minimal
Mild
Chronic Active, Minimal
Minimal

Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 3000 PPM

DISP: Terminal Sacrifice

HISTO: 888439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	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	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Depletion Cellular	Mild
Kidney	Cortex	Mineralization	Minimal
Ovary		Atrophy	Minimal
Note: [ATROPHY] TGLs = 1-7			
Thymus		Depletion Lymphoid	Minimal
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 22

DOSE: 4500 PPM

DISP: Moribund Sacrifice

HISTO: 888440

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Minimal
Clitoral Gland		Atrophy	Moderate
Kidney		Bacterium	Moderate
		Inflammation	Acute, Moderate
Note: MORE LIKE PYELONEPHRITIS			
Note: [INFLAMMATION] TGLs = 6-4			
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Angiectasis	Moderate
	Mesenteric	Depletion Lymphoid	Mild
Note: [ANGIECTASIS] TGLs = 4-8			
Ovary		Atrophy	Mild
Pituitary Gland			
Note: DEGRANULATED CELLS			
Spleen		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Moderate
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 35

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Islets, Pancreatic	Liver	Lung	Pancreas
Parathyroid Gland	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Urinary Bladder	Vagina

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Mild
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 3-8			
Nose		Inflammation	Acute, Moderate
Ovary		Atrophy	Mild
Pharynx	Palate	Bacterium	Minimal
	Palate	Fungus	Mild
	Palate	Ulcer	Mild
Note: BRANCHED HYPHAE			
Salivary Glands		Atrophy	Mild
Spleen		Depletion Lymphoid	Mild
Stomach	Glandular	Erosion	Mild
Note: [EROSION] TGLs = 4-5.1			
Thymus		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 5-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 35

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888441

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Atrophy

Moderate

Note: [ATROPHY] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 35

DOSE: 4500 PPM

DISP: Moribund Sacrifice

HISTO: 888442

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Nose	Pancreas	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Mild
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Mandibular	Depletion Lymphoid	Minimal
	Mesenteric	Depletion Lymphoid	Minimal
Ovary		Atrophy	Moderate
Spleen		Depletion Lymphoid	Minimal
Thymus		Depletion Lymphoid	Moderate
Note: BROWN FAT INCREASED			
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 71

DOSE: 4500 PPM

DISP: Natural Death

HISTO: 888443

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	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	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Minimal
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 4-6			
Lung		Inflammation	Chronic Active, Mild
Ovary		Atrophy	Moderate
Spleen		Depletion Lymphoid	Mild
Note: PIGMENT			
Stomach	Glandular	Erosion	Moderate
Note: [EROSION] TGLs = 5-5+5.1			
Thymus			
Note: BROWN FAT INCREASED			
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 10

SEX: Female

DAY ON TEST: 71

DOSE: 4500 PPM

DISP: Moribund Sacrifice

HISTO: 888444

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
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	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

MISSING

Mammary Gland

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Minimal
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Mild
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Depletion Lymphoid	Mild
Ovary		Atrophy	Moderate
Pancreas			
Note: ZYMOGEN GRANULES DECREASED			
Salivary Glands		Atrophy	Minimal
Spleen		Depletion Lymphoid	Mild
Note: CONGESTION AND PIGMENT			
Note: [DEPLET LYMPH] TGLs = 4-3			
Stomach	Glandular	Erosion	Moderate
Note: [EROSION] TGLs = 5-5+5.1			
Thymus		Depletion Lymphoid	Moderate
Note: BROWN FAT INCREASED			
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888445

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
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	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Minimal
Clitoral Gland		Atrophy	Mild
Kidney	Cortex	Mineralization	Minimal
Ovary		Atrophy	Mild
Spleen			
Note: CONGESTION AND PIGMENT			
Thymus		Depletion Lymphoid	Minimal
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Mild
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Liver
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Bone
Bone Marrow
Kidney

Ovary

Metaphysis

Cortex
Renal Tubule

Atrophy
Fibrosis
Mineralization
Regeneration
Atrophy

Moderate
Focal, Mild
Minimal
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Spleen
Trachea

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Lung
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Heart
Intestine Small - Duodenum
Lymph Node - Mandibular
Pancreas
Skeletal Muscle
Stomach - Glandular
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thyroid Gland

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Bone
Kidney
Liver
 Note: INFLAMMATION AROUND BILE DUCTS IN A PORTAL RADICLE
 Note: [INFLAMMATION] TGLs = 4-6.1
Ovary
Thymus
 Note: [DEPLET LYMPH] TGLs = 3-3
Uterus
 Note: [ATROPHY] TGLs = 2-7

Metaphysis
Cortex

Atrophy
Mineralization
Inflammation

Moderate
Minimal
Chronic Active, Mild

Atrophy
Depletion Lymphoid

Mild
Mild

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Esophagus	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	Pancreas	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland	Parathyroid Gland	Thyroid Gland
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Clitoral Gland		Atrophy	Mild
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung		Inflammation	Chronic Active, Minimal
Ovary		Atrophy	Mild
Thymus		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Mild
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 4500 PPM

DISP: Terminal Sacrifice

HISTO: 888449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Pituitary Gland
Spleen
Trachea

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Liver
Nose
Salivary Glands
Stomach - Forestomach
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Pancreas
Skeletal Muscle
Stomach - Glandular
Vagina

Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Parathyroid Gland
Skin
Thyroid Gland

OBSERVATIONS

Bone
Clitoral Gland
Kidney
Lymph Node
Ovary
Pituitary GI
 Note: DEGRANULATED CELLS
Spleen
 Note: CONGESTION AND PIGMENT
Thymus
 Note: BROWN FAT INCREASED
 [Depletion Lymphoid TGLS = 2-3]
Uterus
 Note: [ATROPHY] TGLs = 1-7

Metaphysis

Cortex
Mesenteric

Atrophy
Atrophy
Mineralization
Depletion Lymphoid
Atrophy

Depletion Lymphoid

Atrophy

Moderate
Mild
Minimal
Mild
Moderate

Mild

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 24

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Mild
Lung		Edema	Minimal
		Hemorrhage	Mild
Lymph Node	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Ovary		Atrophy	Moderate
Note: APPEAR TO BE ARRESTED . NO MATURE GRAAFIAN FOLLICLES.			
Note: DEGENERATION OF OOCYTES. FOLLICULAR MATURATION			
Salivary Glands		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 1-3			
Thymus		Depletion Lymphoid	Marked
Note: INCREASE OF BROWN FAT			
Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 30

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Liver	Lung	Nose
Pancreas	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland	Parathyroid Gland	Vagina
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Clitoral Gland		Atrophy	Moderate
Lymph Node	Mandibular	Angiectasis	Minimal
	Mediastinal	Angiectasis	Moderate
	Mesenteric	Angiectasis	Mild
	Mediastinal	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Note: [ANGIECTASIS] TGLs = 4-8			
Ovary		Atrophy	Moderate
Salivary Glands		Atrophy	Minimal
Spleen		Depletion Lymphoid	
		Fibrosis	Mild
Note: [FIBROSIS] TGLs = 2-3			
Thymus		Depletion Lymphoid	Moderate
Uterus		Atrophy	Mild
Note: [ATROPHY] TGLs = 6-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Brain	Esophagus
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	Nose	Pancreas
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Mild
Kidney	Cortex	Mineralization	Mild
Note: MINERALIZATION BOTH IN CORTEX AND PELVIS			
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 5-6			
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Angiectasis	Moderate
	Pancreatic	Angiectasis	Mild
	Mediastinal	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Mild
Note: [ANGIECTASIS] TGLs = 2-9.1			
Note: [ANGIECTASIS] TGLs = 3-8			
Ovary		Atrophy	Mild
Spleen		Depletion Lymphoid	Mild
Thymus		Depletion Lymphoid	Moderate
Note: [DEPLET LYMPH] TGLs = 4-3			
Note: INCREASE OF BROWN FAT			
Uterus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888452

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ATROPHY] TGLs = 6-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Clitoral Gland		Atrophy	Moderate
Heart		Cardiomyopathy	Minimal
Lung		Hemorrhage	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Moderate
	Mandibular	Depletion Lymphoid	Mild
	Mediastinal	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Moderate
Ovary		Atrophy	Moderate
Salivary Glands		Atrophy	Moderate
Spleen		Depletion Lymphoid	Mild
Note: PIGMENT			
Stomach	Glandular	Mineralization	Minimal
Thymus		Depletion Lymphoid	Marked
Note: [DEPLET LYMPH] TGLs = 3-3			
Note: BROWN FAT INCREASED			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888453

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 24

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

MISSING

Clitoral Gland	Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Inflammation	Acute, Minimal
	Cortex	Mineralization	Minimal
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
Ovary		Atrophy	Moderate
Pancreas			
Note: NO ZYMOGEN GRANULES IN ACINAR CELLS			
Salivary Glands		Atrophy	Moderate
Spleen		Depletion Lymphoid	Mild
Note: PIGMENT			
Stomach	Glandular	Erosion	Mild
Note: EDEMA			
Note: [EROSION] TGLs = 5-5,6-5.1			
Thymus		Depletion Lymphoid	Marked
Note: BROWN FAT INCREASED			
Note: [DEPLET LYMPH] TGLs = 3-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 24

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888454

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 21

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888455

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	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	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland	Mammary Gland	Vagina
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OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Moderate
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Lymph Node	Mediastinal	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Mild
Ovary		Atrophy	Moderate
Note: [ATROPHY] TGLs = 2-7			
Salivary Glands		Atrophy	Mild
Spleen		Depletion Lymphoid	Moderate
Note: PIGMENT			
Thymus		Depletion Lymphoid	Marked
Note: BROWN FAT INCREASED			
[Depletion Lymphoid TGLs = 4-3]			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888456

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Small - Duodenum	Islets, Pancreatic	Kidney	Liver
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Skin	Stomach - Forestomach	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum			

OBSERVATIONS

Adrenal Gland Note: [HEMORRHAGE] TGLs = 1-8	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Marked
Clitoral Gland		Atrophy	Moderate
Lung Note: NON-SEPTATE HYPHAE, PROBABLY PHYCOMYCES		Fungus	Mild
		Inflammation	Chronic Active, Moderate
Lymph Node	Mandibular	Depletion Lymphoid	Moderate
	Mesenteric	Depletion Lymphoid	Moderate
Ovary		Atrophy	Moderate
Salivary Glands		Atrophy	Moderate
Spleen		Depletion Lymphoid	Moderate
Stomach Note: [EROSION] TGLs = 3-5+5.1 Note: EDEMA	Glandular	Erosion	Mild
Thymus		Depletion Lymphoid	Marked
Uterus		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 12

SEX: Female

DAY ON TEST: 20

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888456

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 31

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888457

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Skeletal Muscle	Skin	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Moderate
Intest Large			
Note: CECUM: SUGGESTIVE OF HYPERPLASIA			
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
	Mandibular	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Moderate
Ovary		Atrophy	Marked
Salivary Glands		Atrophy	Mild
Spleen		Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 2-3			
Note: PIGMENT			
Stomach	Forestomach	Hemorrhage	Mild
	Forestomach	Hyperplasia	Mild
Note: HEMORRHAGE IN SUBMUCOSA			
Note: [HEMORRHAGE] TGLs = 5-5.1			
Thymus		Depletion Lymphoid	Moderate
Note: BROWN FAT INCREASED			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 31

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888457

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Atrophy

Moderate

Note: [ATROPHY] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 22

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888458

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Minimal
Bone	Metaphysis	Atrophy	Moderate
Clitoral Gland		Atrophy	Mild
Liver		Bacterium	Moderate
		Necrosis	Moderate
Note: [BACTERIUM] TGLs = 4-6,5-6.1			
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
	Mesenteric	Angiectasis	Minimal
	Mediastinal	Depletion Lymphoid	Mild
	Mesenteric	Depletion Lymphoid	Mild
Note: [DEPLET LYMPH] TGLs = 3-8			
Ovary		Atrophy	Marked
Salivary Glands		Atrophy	Minimal
Spleen		Depletion Lymphoid	Mild
Stomach			
Note: EDEMA			
Thymus		Depletion Lymphoid	Marked
Note: [DEPLET LYMPH] TGLs = 6-3			
Note: BROWN FAT INCREASED			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 2-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 12

SEX: Female

DAY ON TEST: 22

DOSE: 6000 PPM

DISP: Moribund Sacrifice

HISTO: 888458

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05199-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene Glycol Monomethyl Ether (Egmme)

Date Report Requested: 10/22/2014

Time Report Requested: 17:38:59

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 31

DOSE: 6000 PPM

DISP: Natural Death

HISTO: 888459

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Brain	Esophagus	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Vagina	

MISSING

Mammary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum	Intestine Small - Jejunum
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hemorrhage	Mild
Bone	Metaphysis	Atrophy	Moderate
Bone Marrow		Depletion Cellular	Moderate
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Mild
Ovary		Atrophy	Moderate
Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
Thymus		Depletion Lymphoid	Moderate
Uterus		Atrophy	Moderate

Note: [ATROPHY] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **