

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

C Number:	C54853B
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: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887740

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Pituitary Gland	Pars Distalis	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887741

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	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 887742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
	Rectum	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 92
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 887743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Inflammation	Chronic, Focal, Minimal
Urinary Bladder		Calculus Micro Observation Only	Mild

Note: [CALCUS MIC OBS] TGLs = 2-9

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887744

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	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	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887745
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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	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Lung		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Hemorrhage	Acute, Mild
Note: [HEMORRHAGE] TGLs = 1-3			
Nose	Respirat Epith	Inflammation	Chronic, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Dilatation	Mild
Note: [DILATATION] TGLs = 2-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887746

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	Liver	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary 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
Kidney	Renal Tubule	Regeneration	Minimal
Preputial Gland		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland	Preputial Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Moderate
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney	Renal Tubule	Regeneration	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 93 HISTO: 887748
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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	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
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 1-6			
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887749

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	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
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Prostate
Stomach - Glandular

Epididymis
Seminal Vesicle
Testes

Liver
Spleen

Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Thymus
[Congestion TGLS = 1-3]

Congestion

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Prostate
Stomach - Glandular

Epididymis
Seminal Vesicle
Testes

Liver
Spleen

Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Kidney

Renal Tubule

Regeneration

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle
Testes

Epididymis
Spleen

Liver
Stomach - Forestomach

Prostate
Stomach - Glandular

OBSERVATIONS

Preputial Gland
[Dilatation TGLS = 1-10]

Dilatation

Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Liver

Preputial Gland

Prostate

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Cyst	Mild
	Renal Tubule	Regeneration	Minimal

Note: [CYST] TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887755

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Pancreas
Preputial Gland	Prostate	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	

OBSERVATIONS

Pancreas
Note: ENLARGED PANCREATIC L.N. SEEN GROSSLY IS NORMAL PANCREAS

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Liver

Preputial Gland

Prostate

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Prostate
Stomach - Glandular

Epididymis
Seminal Vesicle
Testes

Liver
Spleen

Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Kidney Renal Tubule

Regeneration

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 3

SEX: Male

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Prostate
Stomach - Glandular

Epididymis
Seminal Vesicle
Testes

Liver
Spleen

Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Lymph Node
[Congestion TGLS = 1-9]

Mandibular

Congestion

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887760

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes		

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Thymus		Congestion	Moderate

Note: [CONGESTION] TGLs = 1-3+3.1

Note: CONGESTED THYMUS MISTAKEN FOR MEDIASTINAL LN

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle
Testes

Epididymis
Spleen

Liver
Stomach - Forestomach

Preputial Gland
Stomach - Glandular

OBSERVATIONS

Prostate Atrophy Mild
Thymus Congestion Mild

Note: [CONGESTION] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Prostate	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes		

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node	Mandibular	Congestion	Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate

Note: [HYPERPLASIA] TGLs = 1-9

[Hyperplasia TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle
Testes

Epididymis
Spleen

Liver
Stomach - Forestomach

Preputial Gland
Stomach - Glandular

OBSERVATIONS

Prostate

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle
Testes

Epididymis
Spleen

Liver
Stomach - Forestomach

Preputial Gland
Stomach - Glandular

OBSERVATIONS

Prostate Atrophy Minimal

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Liver

Preputial Gland

Prostate

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle
Testes

Epididymis
Spleen

Liver
Stomach - Forestomach

Preputial Gland
Stomach - Glandular

OBSERVATIONS

Prostate

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Liver

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

OBSERVATIONS

Preputial Gland

Cyst

Mild

Note: [CYST] TGLs = 1-10

Prostate

Atrophy

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887768

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Epididymis

Preputial Gland

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 1-6.1

Prostate

Atrophy

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887769

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Prostate
Stomach - Glandular

Epididymis
Seminal Vesicle
Testes

Liver
Spleen

Preputial Gland
Stomach - Forestomach

OBSERVATIONS

Kidney

Renal Tubule

Regeneration

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Kidney	Preputial Gland
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-6.1]			
Prostate		Atrophy	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887771

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Liver	Preputial Gland	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Epididymis [Granuloma Sperm TGLS = 1-7]		Granuloma Sperm	Marked
Intestine Small [Hyperplasia TGLS = 2-5]	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney	Renal Tubule	Regeneration	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887772

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle

Epididymis
Stomach - Forestomach

Liver
Stomach - Glandular

Preputial Gland
Thymus

OBSERVATIONS

Kidney
Prostate
Spleen
Testes

Renal Tubule
Red Pulp

Regeneration
Atrophy
Hematopoietic Cell Proliferation
Atrophy

Minimal
Mild
Diffuse, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node	Mandibular	Congestion	Moderate
[Congestion TGLS = 1-9]			
Preputial Gland		Cyst	Mild
[Cyst TGLS = 2-10]			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 7

SEX: Male

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Prostate	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thymus			

OBSERVATIONS

Intestine Small [Hyperplasia TGLS = 2-5]	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node [Congestion TGLS = 1-9]	Mandibular	Congestion	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Harderian Gland [Hemorrhage TGLS = 2-14]		Hemorrhage	Acute, Mild
Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node [Congestion TGLS = 1-9]	Mandibular	Congestion	Mild
Prostate		Atrophy	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Seminal Vesicle

Epididymis
Stomach - Forestomach

Liver
Stomach - Glandular

Preputial Gland
Thymus

OBSERVATIONS

Kidney
Prostate
Spleen
Testes

Renal Tubule
Red Pulp

Regeneration
Atrophy
Hematopoietic Cell Proliferation
Atrophy

Minimal
Mild
Diffuse, Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887777

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Prostate		Atrophy	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2-9			
Prostate		Atrophy	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal
Urinary Bladder		Calculus Micro Observation Only	
Note: [CALCUS MIC OBS] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 7

SEX: Male

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Liver	Preputial Gland
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus

OBSERVATIONS

Intestine Small Note: [HYPERPLASIA] TGLs = 2-5	Jejunum	Hyperplasia	Lymphoid, Mild
Kidney	Renal Tubule	Regeneration	Minimal
Lymph Node [Hyperplasia TGLS = 1-9]	Mandibular	Hyperplasia	Lymphoid, Minimal
Prostate		Atrophy	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Testes		Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	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	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Moderate
Intestine Large	Cecum	Parasite Metazoan	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Lung	Alveolar Epith	Hyperplasia	Focal, Minimal
Preputial Gland		Inflammation	Chronic, Focal, Mild
Prostate		Atrophy	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887781

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
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Moderate
Heart		Cardiomyopathy	Minimal
Liver	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Prostate		Atrophy	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes		Atrophy	Mild
Note: [ATROPHY] TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887782

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
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 6-6			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Lung		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 4-9.1			
Preputial Gland		Atrophy	Mild
Prostate		Atrophy	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: [HEMA CELL PROL] TGLs = 7-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887783

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
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Proliferation	Mild
Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 4-9			
Heart		Cardiomyopathy	Minimal
		Inflammation	Chronic, Focal, Mild
Liver		Hematopoietic Cell Proliferation	Minimal
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Prostate		Atrophy	Mild
Sem Ves			
Note: SEMINAL VESICLE NORMAL SIZE ON MICROSCOPIC EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: [HEMA CELL PROL] TGLs = 5-3			
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 9

SEX: Male

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887784

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 4-7			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic, Focal, Minimal
	Kupffer Cell	Pigmentation	Minimal
Prostate		Atrophy	Mild
Sem Ves			
Note: WITHIN NORMAL SIZE LIMITS ON MICROSCOPIC EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887785

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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Proliferation	Mild
Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 4-7			
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Pituitary Gland	Pars Distalis	Cyst	Minimal
Prostate		Atrophy	Mild
Sem Ves			
Note: SEMINAL VESICLE WITHIN NORMAL SIZE LIMITS ON MICRO EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Marked
Note: [HEMA CELL PROL] TGLs = 5-3			
Testes		Atrophy	Moderate
Note: [ATROPHY] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887786

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
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Marked
Note: [ASPERMIA] TGLs = 2-7			
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Prostate		Atrophy	Mild
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: [HEMA CELL PROL] TGLs = 6-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Atrophy	Mild
Note: [ATROPHY] TGLs = 5-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887787

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
Kidney	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Marked
Heart		Cardiomyopathy	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 3-9.1			
Prostate		Atrophy	Minimal
Sem Ves			
Note: SEMINAL VESICLE WITHIN NORMAL SIZE LIMITS ON MICRO EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Note: [HEMA CELL PROL] TGLs = 4-3			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49	TRT#: 9 DOSE: 10000 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 93 HISTO: 887788
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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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea			

MISSING

Mammary Gland

OBSERVATIONS

Bone Marrow		Proliferation	Mild
Epididymis		Aspermia	Moderate
Note: [ASPERMIA] TGLs = 2-7			
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Minimal
		Inflammation	Chronic, Focal, Minimal
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Prostate		Atrophy	Mild
Sem Ves			
Note: SEMINAL VESICLE WITHIN NORMAL SIZE LIMITS ON MICRO EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Atrophy	Mild
Note: [ATROPHY] TGLs = 5-3			
Urinary Bladder		Calculus Micro Observation Only	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 9

SEX: Male

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887789

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	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Proliferation	Moderate
Epididymis		Aspermia	Marked
Kidney	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Inflammation	Chronic, Focal, Minimal
	Kupffer Cell	Pigmentation	Minimal
Lung		Inflammation	Chronic, Focal, Minimal
Prostate		Atrophy	Moderate
Sem Ves			
Note: SMALL SEMINAL VESICLE WITHIN NORMAL LIMITS ON MICRO EXAM			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Marked
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 11

SEX: Male

DAY ON TEST: 63

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887791

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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Bone Marrow		Atrophy	Marked
Epididymis		Aspermia	Marked
Kidney	Renal Tubule	Dilatation	Mild
	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Mandibular	Atrophy	Marked
	Mesenteric	Atrophy	Marked
Note: [ATROPHY] TGLs = 7-8			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Marked
Salivary Glands		Atrophy	Marked
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Mild
		Pigmentation	Hemosiderin, Moderate
Stomach	Forestomach	Hyperplasia	Squamous, Focal, Mild
Note: [HYPERPLASIA] TGLs = 8-5.1			
Testes		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 59

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Atrophy	Marked
Epididymis		Aspermia	Marked
Intestine Large	Rectum	Parasite Metazoan	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mesenteric	Atrophy	Mild
	Mesenteric	Pigmentation	Mild
Note: [PIGMENT] TGLs = 12-8			
Note: PANCREATIC LN WITHIN NORMAL LIMITS ON MICRO EXAM			
Preputial Gland		Atrophy	Moderate
Prostate		Atrophy	Marked
Note: [ATROPHY] TGLs = 9-7.1			
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 8-7.1			
Skin	Prepuce	Inflammation	Acute, Mild
[Inflammation TGLS = 13-15]			
Spleen	Lymph Follic	Atrophy	Moderate
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Edema	Focal, Mild
	Glandular	Edema	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 11

SEX: Male

DAY ON TEST: 59

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887792

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Atrophy

Marked

Note: [ATROPHY] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 11

SEX: Male

DAY ON TEST: 63

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Atrophy	Marked
Epididymis		Aspermia	Marked
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney	Cortex	Mineralization	Moderate
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
Preputial Gland		Atrophy	Marked
Prostate		Atrophy	Moderate
Note: [ATROPHY] TGLs = 5-7.1			
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7.1			
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Mild
Testes		Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 54

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887796

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	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Atrophy	Marked
Epididymis		Aspermia	Marked
Kidney	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Moderate
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mandibular	Atrophy	Mild
	Mesenteric	Atrophy	Moderate
Pharynx	Palate	Ulcer	Acute, Focal, Mild
Note: [ULCER] TGLs = 3-12.1			
Preputial Gland		Atrophy	Marked
Prostate		Atrophy	Moderate
Note: [ATROPHY] TGLs = 7-7.1			
Salivary Glands		Atrophy	Moderate
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 6-7.1			
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Moderate
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 5-7			
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 11

SEX: Male

DAY ON TEST: 54

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887796

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 56

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

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	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Bone Marrow		Atrophy	Mild
Epididymis		Aspermia	Marked
Kidney	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte Kupffer Cell	Degeneration Pigmentation	Mild Minimal
Lymph Node	Mandibular Mesenteric	Atrophy Atrophy Atrophy	Moderate Mild Moderate
Preputial Gland			
[Atrophy TGLS = 11-10]			
Prostate		Atrophy	Moderate
Note: [ATROPHY] TGLs = 6-7.1			
Salivary Glands		Atrophy	Moderate
Note: [ATROPHY] TGLs = 8-9			
Seminal Vesicle		Atrophy	Moderate
Note: [ATROPHY] TGLs = 5-7.1			
Spleen		Pigmentation	Hemosiderin, Moderate
Stomach	Glandular	Inflammation	Focal, Mild
Note: [INFLAMMATION] TGLs = 12-5.1			
Testes		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-7			
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-3			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 11

SEX: Male

DAY ON TEST: 56

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

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

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lung
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014
Time Report Requested: 22:50:04
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: 887801

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
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	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

Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney	Cortex	Mineralization	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887803

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 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	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Vagina	

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney	Cortex	Mineralization	Minimal
Ovary		Cyst	Mild

Note: [CYST] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887804

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	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	Vagina	

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Inflammation	Chronic, Focal, Minimal
	Cortex	Mineralization	Minimal
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

HISTO: 887805

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
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Eye Note: [CATARACT] TGLs = 1-14	Lens	Cataract	Moderate
Kidney Note: [INFLAMMATION] TGLs = 2-4	Cortex	Inflammation Mineralization	Chronic, Focal, Minimal Minimal
Lung		Inflammation	Chronic, Focal, Mild
Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887806

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

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

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

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

OBSERVATIONS

Kidney Cortex
Lung

Mineralization
Inflammation

Minimal
Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 2

SEX: Female

DAY ON TEST: 93

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 887807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus
Vagina			

OBSERVATIONS

Clitoral Gland [Cyst TGLS = 2-10]		Cyst	Mild
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Minimal
Liver Note: [HDN] TGLs = 1-6		Hepatodiaphragmatic Nodule	
Pancreas	Acinus	Atrophy	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 93

HISTO: 887808

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic, Focal, Mild
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Moderate
	Renal Tubule	Regeneration	Minimal
Liver		Hepatodiaphragmatic Nodule	
Note: [HDN] TGLs = 1-6			
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
		Inflammation	Chronic, Focal, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [HYPERPLASIA] TGLs = 2-9			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

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: 887809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

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

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

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

OBSERVATIONS

Kidney
Lung

Cortex
Alveolus

Mineralization
Infiltration Cellular
Inflammation

Mild
Histocyte, Focal, Minimal
Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Liver	Ovary	Spleen
Stomach - Forestomach	Stomach - Glandular	Uterus	Vagina

OBSERVATIONS

Clitoral Gland [Cyst TGLS = 5-10]		Cyst	Mild
Kidney [Cyst TGLS = 2+3+4-4+4.1]		Cyst	Multiple, Marked
Skin Note: [DEVELOP MALFOR] TGLs = 1-14	Foot	Developmental Malformation	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

OBSERVATIONS

Clitoral Gland

Dilatation

Moderate

[Dilatation TGLS = 1-10]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Stomach - Forestomach

Liver
Stomach - Glandular

Ovary
Uterus

Spleen
Vagina

OBSERVATIONS

Clitoral Gland
[Cyst TGLS = 1-10]

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO: 887813

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

OBSERVATIONS

Ovary

Note: APPARENT RUPTURED BURSAL CYST NOT VISIBLE ON MICRO EXAM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 4

SEX: Female

DAY ON TEST: 92

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78	TRT#: 4	SEX: Female	DAY ON TEST: 93
	DOSE: 1250 PPM	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL			
Bone Marrow	Clitoral Gland	Liver	Ovary
Spleen	Stomach - Forestomach	Stomach - Glandular	Uterus
Vagina			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 4

SEX: Female

DAY ON TEST: 93

DOSE: 1250 PPM

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Stomach - Forestomach

Clitoral Gland
Stomach - Glandular

Liver
Uterus

Spleen
Vagina

OBSERVATIONS

Lung
Note: [HEMORRHAGE] TGLs = 2-2.1

Hemorrhage

Acute, Focal, Mild

Ovary
Note: [CYST] TGLs = 1-7

Cyst

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Stomach - Forestomach

Clitoral Gland
Stomach - Glandular

Ovary
Uterus

Spleen
Vagina

OBSERVATIONS

Liver
Note: [HDN] TGLs = 1-6.1

Hepatodiaphragmatic Nodule

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 6

SEX: Female

DAY ON TEST: 92

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Liver
Ovary	Spleen	Stomach - Forestomach	Stomach - Glandular
Uterus	Vagina		

OBSERVATIONS

Spleen
Note: NO MICROSCOPIC REASON FOR GROSSLY SMALL SPLEEN SIZE

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887827

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Uterus

Vagina

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Bile Duct

Hyperplasia

Focal, Mild

Note: [HDN] TGLs = 2-6.1

[Hepatodiaphragmatic Nodule TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 6

SEX: Female

DAY ON TEST: 93

DOSE: 2500 PPM

DISP: Terminal Sacrifice

HISTO: 887829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Ovary

Spleen

Uterus

Vagina

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 1-6.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

OBSERVATIONS

Ovary

Cyst

Moderate

Note: [CYST] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

OBSERVATIONS

Lymph Node

Mandibular

Congestion

Minimal

Note: [CONGESTION] TGLs = 1-9

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 8

SEX: Female

DAY ON TEST: 92

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow
Stomach - Forestomach
Vagina

Clitoral Gland
Stomach - Glandular

Ovary
Thymus

Spleen
Uterus

OBSERVATIONS

Liver
Note: [DEVELOP MALFOR] TGLs = 1-6

Developmental Malformation

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Ovary

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

MISSING

Clitoral Gland

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 2-6.1

Skin

Note: DEPRESSION CAUSED BY NORMAL HAIR FOLLICLE TRANSITION

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887837

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Liver

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Lymph Node

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 2-6.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 8

SEX: Female

DAY ON TEST: 93

DOSE: 5000 PPM

DISP: Terminal Sacrifice

HISTO: 887839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow

Clitoral Gland

Lymph Node - Mandibular

Ovary

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Uterus

Vagina

OBSERVATIONS

Liver

Hepatodiaphragmatic Nodule

Note: [HDN] TGLs = 2-6.1

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Heart	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	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus	Vagina	

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney	Cortex	Mineralization	Mild
	Renal Tubule	Regeneration	Mild
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Stomach	Glandular	Ectopic Tissue	
Note: [ECT TISSUE] TGLs = 3-5.1			
Thymus		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887841

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Kidney	Cortex	Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thymus		Atrophy	Minimal
Note: [ATROPHY] TGLs = 1-3			
Uterus		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
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
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Vagina		

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Clitoral Gland		Atrophy	Mild
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney	Cortex	Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thymus		Atrophy	Minimal
Uterus		Atrophy	Mild

Note: [ATROPHY] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Heart		Cardiomyopathy	Minimal
Kidney	Cortex	Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thymus		Atrophy	Minimal
Note: [ATROPHY] TGLs = 2-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 3-7			
Vagina	Epithelium	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 10

SEX: Female

DAY ON TEST: 92

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Islets, Pancreatic
Nose
Pituitary Gland
Stomach - Forestomach
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Glandular
Vagina

Bone
Heart
Intestine Small - Ileum
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Thyroid Gland

Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Mammary Gland
Parathyroid Gland
Skin
Trachea

OBSERVATIONS

Bone Marrow
Intestine Large
Kidney

Rectum

Proliferation
Parasite Metazoan
Developmental Malformation
Mineralization
Regeneration

Diffuse, Moderate
Minimal
Minimal
Minimal

Note: [DEVELOP MALFOR] TGLs = 3-4.1

Liver

Cortex
Renal Tubule

Hematopoietic Cell Proliferation
Pigmentation
Hemorrhage
Infiltration Cellular

Mild
Minimal
Acute, Focal, Minimal
Histiocyte, Focal, Minimal

Note: [HEMORRHAGE] TGLs = 2-3.1

Spleen

Alveolus

Hematopoietic Cell Proliferation
Atrophy

Diffuse, Mild
Mild

Thymus

Note: [ATROPHY] TGLs = 1-3

Uterus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887845

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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Vagina	

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Kidney	Cortex	Mineralization	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Lung		Hemorrhage	Acute, Focal, Minimal
Note: [HEMORRHAGE] TGLs = 2-2			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Thymus		Atrophy	Minimal
Note: [ATROPHY] TGLs = 1-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Clitoral Gland		Inflammation	Chronic, Focal, Mild
Note: [INFLAMMATION] TGLs = 1-10			
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Inflammation	Chronic, Focal, Minimal
	Cortex	Mineralization	Minimal
Liver	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
		Inflammation	Chronic, Focal, Minimal
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Thymus		Atrophy	Minimal
Note: [ATROPHY] TGLs = 3-3			
Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887847

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Vagina

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Clitoral Gl			
Note: [CYST] TGLs = 1-10			
Kidney	Cortex	Mineralization	Mild
	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
	Kupffer Cell	Pigmentation	Minimal
Note: PALE LIVER CAUSED BY BLOOD COLLECTION PRIOR TO NECROPSY			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Moderate
Thymus		Atrophy	Minimal
Note: [ATROPHY] TGLs = 3-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 10

SEX: Female

DAY ON TEST: 93

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO: 887849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Vagina			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow		Proliferation	Diffuse, Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	Chronic
Kidney	Cortex	Mineralization	Minimal
	Renal Tubule	Regeneration	Minimal
Liver		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	
	Kupffer Cell	Pigmentation	Minimal
Note: [HDN] TGLs = 1-6			
Spleen	Red Pulp	Hematopoietic Cell Proliferation	Diffuse, Mild
Thymus		Atrophy	Mild
Note: [ATROPHY] TGLs = 2-3			
Uterus		Atrophy	Moderate
Note: [ATROPHY] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 12

SEX: Female

DAY ON TEST: 53

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887850

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	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Bone Marrow		Atrophy	Marked
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Minimal
	Kupffer Cell	Pigmentation	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Mandibular	Atrophy	Mild
	Mesenteric	Atrophy	Moderate
Ovary		Atrophy	Moderate
Salivary Glands		Atrophy	Moderate
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Mild
		Pigmentation	Hemosiderin, Moderate
Uterus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-7			
Vagina	Epithelium	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 12

SEX: Female

DAY ON TEST: 35

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887851

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	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Atrophy	Marked
Clitoral Gland		Atrophy	Moderate
Kidney	Cortex	Mineralization	Mild
	Renal Tubule	Necrosis	Focal, Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mandibular	Atrophy	Moderate
	Mesenteric	Atrophy	Moderate
Ovary		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Spleen		Pigmentation	Hemosiderin, Mild
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-3			
Uterus		Atrophy	Moderate
Vagina	Epithelium	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 12

SEX: Female

DAY ON TEST: 57

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887853

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	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Pituitary Gland

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Clitoral Gland		Atrophy	Marked
Kidney	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lung	Alveolus	Infiltration Cellular	Histiocyte, Focal, Minimal
Lymph Node	Mesenteric	Atrophy	Mild
Ovary		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Moderate
Stomach	Glandular	Ulcer	Mild
Note: [ULCER] TGLs = 4-5.1			
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 3-3			
Uterus		Atrophy	Moderate
Vagina	Epithelium	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887854

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	Lung	Mammary Gland	Nose
Pancreas	Pituitary Gland	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Clitoral Gland		Atrophy	Marked
Note: [ATROPHY] TGLs = 7-10			
Kidney	Cortex	Mineralization	Minimal
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mandibular	Atrophy	Mild
	Mediastinal	Atrophy	Moderate
	Mesenteric	Atrophy	Mild
Ovary		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Ulcer	Moderate
Note: [ULCER] TGLs = 6-5+5.1+5.2			
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-3			
Uterus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-7			
Vagina	Epithelium	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887854

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 12

SEX: Female

DAY ON TEST: 29

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887855

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	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Clitoral Gland		Atrophy	Marked
Kidney	Cortex	Mineralization	Minimal
Liver	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mesenteric	Atrophy	Moderate
Ovary		Atrophy	Mild
Pharynx	Palate	Ulcer	Marked
Note: [ULCER] TGLs = 5-14			
Salivary Glands		Atrophy	Mild
Spleen	Lymph Follic	Atrophy	Moderate
		Pigmentation	Hemosiderin, Moderate
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-3			
Uterus		Atrophy	Marked
Note: [ATROPHY] TGLs = 3-7			
Vagina	Epithelium	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 12

SEX: Female

DAY ON TEST: 48

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887857

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	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Clitoral Gland		Atrophy	Marked
Kidney	Cortex	Mineralization	Mild
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mandibular	Atrophy	Mild
	Mesenteric	Atrophy	Moderate
Ovary		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Minimal
		Pigmentation	Hemosiderin, Moderate
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 2-3			
Uterus		Atrophy	Marked
Note: [ATROPHY] TGLs = 4-7			
Vagina	Epithelium	Atrophy	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05198-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Ethylene glycol monoethyl ether (EGMEE)
CAS Number: 110-80-5

Date Report Requested: 10/15/2014

Time Report Requested: 22:50:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 12

SEX: Female

DAY ON TEST: 37

DOSE: 20000 PPM

DISP: Moribund Sacrifice

HISTO: 887859

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	Lung	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow		Atrophy	Moderate
Clitoral Gland		Atrophy	Marked
Kidney	Cortex	Mineralization	Moderate
Liver	Centrilobular, Hepatocyte	Degeneration	Mild
	Kupffer Cell	Pigmentation	Minimal
Lymph Node	Mandibular	Atrophy	Mild
	Mesenteric	Atrophy	Mild
Ovary		Atrophy	Mild
Salivary Glands		Atrophy	Moderate
Spleen	Lymph Follic	Atrophy	Mild
	Capsule	Mineralization	Focal, Mild
		Pigmentation	Hemosiderin, Moderate
Thymus		Atrophy	Marked
Note: [ATROPHY] TGLs = 1-3			
Uterus		Atrophy	Marked
Vagina	Epithelium	Atrophy	Marked

PRIMARY CAUSE OF DEATH

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** END OF REPORT **

* PROTOCOL REQUIRED TISSUE