

Experiment Number: 88031-03
Test Type: 90-DAY
Route: DOSED WATER
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Dipropylene glycol
CAS Number: 25265-71-8

Date Report Requested: 10/23/2014
Time Report Requested: 13:17:24
First Dose M/F: NA / NA
Lab: AD LITTLE

C Number:	C88031
Lock Date:	06/11/1992
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: 88031-03

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal					1						1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy				1	1	1	2	2	2	1	7 1.4

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Capsule, Fibrosis, Focal										2	1 2.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

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F 344/N Rat Male
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Subacute						2		2			2 2.0
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage	2	2		2	2						4 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

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Lab: AD LITTLE

F 344/N Rat Male
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	10
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Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epith, Hyperplasia, Focal					2						1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Fungus					2						1 2.0
Inflammation, Acute					2						1 2.0
Trachea	+	+	+	+	+	+	+	+	+	+	10

Special Senses System

NONE

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte					1						1 1.0

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 Lab: AD LITTLE

F 344/N Rat Male
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	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Renal Tubule, Regeneration	1	1		1	1				1	1	6 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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Lab: AD LITTLE

F 344/N Rat Male
0.5%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver											+	+	2
Hepatodiaphragmatic Nodule, Multiple											X		1

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hypertrophy	1	1		1		2	2	1		1	7 1.3

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular											+	1
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Integumentary System

NONE

Musculoskeletal System

NONE

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
0.5%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

Infiltration Cellular, Lymphocyte 1 1.0

Renal Tubule, Regeneration 1 1 2 1.0

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
1.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach										+	1

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hypertrophy	1			1	1		1		1		5 1.0

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node, Mandibular										+	1
Hemorrhage										1	1 1.0

Integumentary System

NONE

Musculoskeletal System

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
1.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0

*TOTALS

NONE
Nervous System

NONE
Respiratory System

NONE
Special Senses System

NONE
Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte									1		1	1.0
Renal Tubule, Casts Protein								1	1	1	3	1.0
Renal Tubule, Regeneration		1	1	1	1		1	1	1		7	1.0

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
2.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Congestion	1										1	1.0
Fatty Change	1		1	1	1	1	1	1	1	1	9	1.0

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy					1	1	1	1	1	1	6	1.0

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node				+							1	
Lumbar, Pigmentation, Multifocal				1							1	1.0
Renal, Hemorrhage				3							1	3.0
Lymph Node, Mandibular							M				0	

Integumentary System

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F 344/N Rat Male
2.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0

*TOTALS

NONE
Musculoskeletal System

NONE
Nervous System

NONE
Respiratory System

NONE
Special Senses System

NONE
Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte					1		1				2 1.0
Renal Tubule, Casts Protein			1	1			1		1		4 1.0
Renal Tubule, Regeneration	1		1		1		1				4 1.0

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Lab: AD LITTLE

F 344/N Rat Male
4.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Fatty Change	2	2	2	2	3	2	2	2	2	3	10	2.2
Hepatodiaphragmatic Nodule	X										1	
Necrosis, Focal	2	1		1		1					4	1.3

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy	2	2	2	1	1					1	6	1.5

General Body System

NONE

Genital System

Preputial Gland	+	+	+	+	+	+	+	+	+	+	10	
Testes	+	+	+	+	+	+	+	+	+	+	10	

Hematopoietic System

Lymph Node								+	+	2	
Mediastinal, Hemorrhage									3	1	3.0
Renal, Hemorrhage								3		1	3.0

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4.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS	
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	5	5	5	5	5	5	5	5	5	5		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	6	6	6	6	6	6	6	6	6	7		
	1	2	3	4	5	6	7	8	9	0		
Kidney	+	+	+	+	+	+	+	+	+	+	10	
Infiltration Cellular, Lymphocyte				1	1		1	1		1	1	6 1.0
Renal Tubule, Casts Protein	1	1	2	1	2	1	1	1	1	2	10 1.3	
Renal Tubule, Regeneration			1	2	1	2	1	1	1	1	9 1.2	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:25

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10		
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10		
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Atypical Focus, Multiple			3	3	4		3	3	3	2	4	8	3.1
Fatty Change	3	3	3	3	3	2	2	3	3	3		10	2.8
Fibrosis, Focal			1									1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	10	
Tooth											+	1	
Dentine, Degeneration										3		1	3.0

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:25

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hypertrophy	2	3	3	2	3	1	2	2	2	2	10 2.2
Vacuolization Cytoplasmic, Focal				1							1 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	M	+	+	M	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Hypospermia		4		4		2	4	2		4	6 3.3
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Atrophy	2	1			2	2				3	5 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Depletion Cellular							3			2	2 2.5
Testes	+	+	+	+	+	+	+	+	+	+	10
Atrophy	3	4	3	4	3	3	4	3	2	4	10 3.3

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:25

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Male
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage	1		2	2	2						4 1.8
Hyperplasia, Lymphoid								2			1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage				1	1				1		3 1.0

Integumentary System

Mammary Gland	+	+	+	+	+	M	+	+	M	+	8
Skin	+	+	+	+	+	+	+	+	+	+	10

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	10
------	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10
Nose	+	+	+	+	+	+	+	+	+	+	10
Olfactory Epi, Degeneration, Focal	3	3	3	3	3	3	3	3	3	4	10 3.1

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol
 CAS Number: 25265-71-8

Date Report Requested: 10/23/2014
 Time Report Requested: 13:17:25
 First Dose M/F: NA / NA
 Lab: AD LITTLE

F 344/N Rat Male
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	7	7	7	7	7	7	7	7	7	8	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
NONE											
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte				1	1	1		1			4 1.0
Renal Tubule, Casts Protein	2	1	2	2	2	2	1	2	2	2	10 1.8
Renal Tubule, Hemorrhage								1			1 1.0
Renal Tubule, Regeneration	1	1	1		1	1		1	1	1	8 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

END OF MALE DATA

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:25

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Developmental Malformation, Focal				2							1 2.0
Hepatodiaphragmatic Nodule								X			1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal				2		1					2 1.5
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	9	9	9	9	9	9	9	9	9	9		
	5	5	5	5	5	5	5	5	5	5		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1		
	8	8	8	8	8	8	8	8	8	9		
	1	2	3	4	5	6	7	8	9	0		
											*TOTALS	

Hyperplasia, Focal	2										1	2.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	M	+	+	+	+	M	+	+	+	+	8	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	
General Body System												
NONE												
Genital System												
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10	
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Dilatation	3										1	3.0
Hematopoietic System												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node									+		1	
Bronchial, Hemorrhage									1		1	1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Hemorrhage									2	2	2	2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Thymus	+	+	+	+	+	+	+	+	+	+	10		
Hemorrhage											1	1	1.0
Integumentary System													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10		
Skin	+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System													
Bone	+	+	+	+	+	+	+	+	+	+	10		
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	10		
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Hemorrhage, Focal							1			1	1	3	1.0
Infiltration Cellular, Lymphocyte										2	2	2	2.0
Inflammation, Subacute, Focal										1	1	1	1.0
Nose	+	+	+	+	+	+	+	+	+	+	10		
Trachea	+	+	+	+	+	+	+	+	+	+	10		
Special Senses System													
NONE													
Urinary System													

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03
 Test Type: 90-DAY
 Route: DOSED WATER
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Dipropylene glycol
 CAS Number: 25265-71-8

Date Report Requested: 10/23/2014
 Time Report Requested: 13:17:26
 First Dose M/F: NA / NA
 Lab: AD LITTLE

F 344/N Rat Female
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	1	1	1	1	1	1	1	1	1	1	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	8	9	0
	*TOTALS										
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
0.5%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex

+ + + + + + + + + 10

Hypertrophy

1 2 1 1 2 1 1 1 8 1.3

General Body System

NONE

Genital System

Uterus

+ 1

Dilatation

3 1 3.0

Hematopoietic System

Lymph Node, Mandibular

+ 1

Thymus

+ + 2

Integumentary System

Skin

+ 1

Musculoskeletal System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

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2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
1.0%

	DAY ON TEST										
	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
Lymph Node, Mandibular											1
Hemorrhage				+							1 2.0
Thymus										+	1
Hemorrhage										1	1 1.0
Integumentary System											
NONE											
Musculoskeletal System											
NONE											
Nervous System											
NONE											
Respiratory System											
NONE											
Special Senses System											
NONE											
Urinary System											
Kidney				+	+	+	+	+	+	+	10

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
2.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Liver		+								+	+	3
Hepatodiaphragmatic Nodule		X								X		2

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	10
Hypertrophy		2	2	2	1	2	1	1	1	1	1	10 1.4
Adrenal Medulla				+								1

General Body System

NONE

Genital System

Uterus				+	+					+		3
Dilatation				2	2					1		3 1.7

Hematopoietic System

Lymph Node				+						+		2
Mediastinal, Hemorrhage				2						1		2 1.5
Lymph Node, Mandibular				+						+		2
Hemorrhage				2						2		2 2.0

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Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

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Test Compound: Dipropylene glycol

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
2.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

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+ ..Tissue examined microscopically

X ..Lesion present

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M ..Missing tissue

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1-4 ..Lesion qualified as:

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Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
4.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10	
Hepatodiaphragmatic Nodule			3								1	3.0

Cardiovascular System

NONE												
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy	1	1	2	2	2	2	2	2	2	1	10	1.7

General Body System

NONE												
------	--	--	--	--	--	--	--	--	--	--	--	--

Genital System

Ovary			+								1	
Cyst			3								1	3.0
Uterus	+		+					+			3	
Dilatation	2							2			2	2.0

Hematopoietic System

Lymph Node					+						1	
Renal, Hemorrhage					2						1	2.0
Thymus									+		1	

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Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
4.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

NONE

Musculoskeletal System

Bone + + + + + + + + + + 10

Nervous System

NONE

Respiratory System

Nose + + + + + + + + + + 10

Special Senses System

NONE

Urinary System

Kidney + + + + + + + + + + 10

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Atypical Focus	2										1 2.0
Fatty Change	3	2	2	3	2	2	2	2	1	1	10 2.0
Hepatodiaphragmatic Nodule				X							1
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal				2							1 2.0
Ectopic Liver, Focal					1						1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

Cardiovascular System

Blood Vessel	+	+	M	+	+	+	+	+	+	+	9
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy								1			1 1.0

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2) Mild 4) Marked

Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

Date Report Requested: 10/23/2014

Time Report Requested: 13:17:26

First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	2
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Hypertrophy	1		1	1	1	1	2	1	1	1	9	1.1
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10	
Parathyroid Gland	+	+	+	+	M	+	M	+	+	+	8	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10	

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	M	+	9	
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy		2		2							2	2.0
Dilatation	3										1	3.0

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Hemorrhage	2										1	2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	

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X ..Lesion present

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Experiment Number: 88031-03

Test Type: 90-DAY

Route: DOSED WATER

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Dipropylene glycol

CAS Number: 25265-71-8

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First Dose M/F: NA / NA

Lab: AD LITTLE

F 344/N Rat Female
8.0%

	DAY ON TEST												
	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0			
	2	2	2	2	2	2	2	2	2	2			
	3	3	3	3	3	3	3	3	3	3			
	1	2	3	4	5	6	7	8	9	0			
											*TOTALS		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10		
Spleen	+	+	+	+	+	+	+	+	+	+	10		
Ectopic Tissue						X					1		
Thymus	+	+	+	+	+	+	+	+	+	+	10		
Integumentary System													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10		
Skin	+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System													
Bone	+	+	+	+	+	+	+	+	+	+	10		
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	10		
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Hemorrhage, Focal								1			1	1.0	
Nose	+	+	+	+	+	+	+	+	+	+	10		
Olfactory Epi, Degeneration, Focal	3	3	3	3	4	3	3	3	3	3	10	3.1	
Respirat Epith, Degeneration, Focal	2										1	2.0	
Trachea	+	+	+	+	+	+	+	+	+	+	10		
Special Senses System													
NONE													

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8.0%

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	5	5	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	
	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Lymphocyte			1			1					2 1.0
Renal Tubule, Casts Protein	1	1			1	1	1	1	1		8 1.0
Renal Tubule, Regeneration			1			1		1			4 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

** END OF REPORT **

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