

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>C Number:</b>	C06508B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	10/08/1991

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-22			
Lymph Node	Mesenteric	Hyperplasia	Moderate
Pancreas		Atrophy	Focal, Minimal
Prostate		Inflammation	Suppurative, Mild
Skin		Hyperkeratosis	Focal, Marked
	Epidermis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 1-21			
Note: [ HYPERKERATOSIS ] TGLs = 1-21			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 88-47365
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Angiectasis	Mild
		Degeneration	Cystic, Moderate
	Biliar Tract	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 5-21			
Note: [ HYPERPLASIA ] TGLs = 6-22			
[ Fibrosis TGLS = 5-21 ]			
[ Hyperplasia TGLS = 5-21 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 2

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47365

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 1-7, 2-7

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 88-47366
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Cyst	Marked
Note: [ CYST ] TGLs = 3-21			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 710

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 5-2-1 ]			
[ Leukemia Mononuclear TGLS = 7-2 ]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 710
	<b>DOSE:</b> 0%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 88-47531

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Minimal
Skin		Keratoacanthoma	
Note: [ KERATOACANTHMA ]	TGLs = 1-21		
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2-6-1		
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ]	TGLs = 6-7		
Thymus		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 654 <b>HISTO:</b> 88-46447
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Stomach - Glandular	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Congestion	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: [ CONGESTION ] TGLs = 8-10			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
		Thrombosis	Mild
Note: [ HYPERPLASIA ] TGLs = 11-23			
Note: [ LEUKEMIA MONUC ] TGLs = 9-6			
Note: [ FATTY CHANGE ] TGLs = 11-23			
Lung		Hemorrhage	Minimal
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
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**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 654 <b>HISTO:</b> 88-46447
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**ORGAN AND ACCOUNTABLE SITE STATUS**

	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[ Leukemia Mononuclear TGLS = 10-3 ]		
	[ Leukemia Mononuclear TGLS = 5-7 ]		
	[ Leukemia Mononuclear TGLS = 2-8 ]		
Pituitary Gland		Cyst	Moderate
Skin	Subcut Tiss	Sarcoma	
	[ Sarcoma TGLS = 1-21 ]		
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	Note: [ LEUKEMIA MONUC ] TGLs = 6-6-1		
	[ Leukemia Mononuclear TGLS = 7-22 ]		
Stomach	Forestomach	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Note: [ ADENOMA ] TGLs = 4-7		
Thymus		Leukemia Mononuclear	
<b>PRIMARY CAUSE OF DEATH</b>	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0%

DISP: Natural Death

HISTO: 88-45973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-7			
Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 7-2 ]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Note: [ LEUKEMIA MONUC ] TGLs = 6-3			
Pancreas		Atrophy	Focal, Minimal
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 6	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 600
	<b>DOSE:</b> 0%	<b>DISP:</b> Natural Death	<b>HISTO:</b> 88-45973

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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Stomach	Glandular	Erosion	Mild
	Glandular	Pigmentation	Mild
Note: [ EROSION ] TGLs = 8-4-1			
Note: [ PIGMENT ] TGLs = 8-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			
Thyroid Gland		Degeneration	Cystic, Mild

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PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 7	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 729 <b>HISTO:</b> 88-47367
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Mild
		Focal Cellular Change	Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 714 <b>HISTO:</b> 88-47532
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Spleen
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-21			
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Marked
Note: [ INFLAMMATION ] TGLs = 2-7			
Skin		Histiocytic Sarcoma	
Note: [ HISTIO SARC ] TGLs = 5-23, 5-23-1			
Stomach	Glandular	Erosion	Minimal
	Forestomach, Mucosa	Hyperplasia	Minimal
	Glandular	Inflammation	Chronic, Minimal
Note: [ EROSION ] TGLs = 4-22			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 714
	<b>DOSE:</b> 0%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 88-47532

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes	Bilateral, Interstit Cell	Adenoma
Note: [ ADENOMA ] TGLs = 1-7-1		

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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 9	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 725 <b>HISTO:</b> 88-47533
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 6-23			
Lung	Alveolar Epith	Hyperplasia	Mild
Pancreas		Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8, 4-8			
Skin	Subcut Tiss	Fibroma	
		Inflammation	Chronic, Mild
		Keratoacanthoma	
		Ulcer	Mild
Note: [ FIBROMA ] TGLs = 1-21			
Note: [ KERATOACANTHMA ] TGLs = 2-22			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5-7-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 9

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 725

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47533

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Hyperplasia

Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45240

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Infiltration Cellular	Mixed Cell, Minimal
		Inflammation	Focal, Minimal
Pancreas	Acinar Cell	Hyperplasia	Mild
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	Follicle	Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Skeletal Muscle  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Prostate  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla  
  
Biliar Tract  
  
Bile Duct

Hyperplasia  
Nephropathy  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Infiltration Cellular  
Inflammation

Mild  
Mild  
Minimal  
Mild  
Mild  
Mild  
Multifocal, Mild  
Mixed Cell, Mild  
Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 4-22

Preputial Gland

Note: [ DEGEN ] TGLs = 1-8

Skin

Note: [ FIBROMA ] TGLs = 2-21

Spleen

Subcut Tiss

Degeneration

Cystic, Moderate

Fibroma

Testes

Note: [ ADENOMA ] TGLs = 3-7

Bilateral, Interstit Cell

Hematopoietic Cell Proliferation  
Necrosis  
Adenoma

Mild  
Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 487

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45504

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Kidney  
Liver  
Lung  
[ Hyperplasia TGLS = 2-2-1 ]  
Preputial Gland  
Prostate  
Testes

Alveolar Epith

Bilateral, Interstit Cell

Nephropathy  
Inflammation  
Hyperplasia  
  
Degeneration  
Inflammation  
Adenoma

Minimal  
Focal, Minimal  
Minimal  
  
Cystic, Minimal  
Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 4-21			
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Angiectasis	Moderate
Note: [ ANGIECTASIS ] TGLs = 5-3			
Mammary Gland		Dilatation	Minimal
Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8, 2-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 600

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
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
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Complex	
Brain		Hydrocephalus	Mild
Eye		Inflammation	Chronic, Marked
	Cornea	Necrosis	Marked
Note: CORNEA IS ULCERATED.			
Note: [ NECROSIS ] TGLs = 1-21			
[ Inflammation TGLS = 1-21 ]			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Lung		Infiltration Cellular	Mixed Cell, Mild
Nose	Mucosa	Hyperkeratosis	Moderate
		Inflammation	Suppurative, Moderate
	Mucosa	Metaplasia	Squamous, Moderate
Pituitary Gland		Cyst	Mild
Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 2-8-1 ]			
Prostate		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 14

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 600

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45974

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 3-7 ]

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 560

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
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	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-1, 9-1			
Note: [ HEMORRHAGE ] TGLs = 8-1, 9-1			
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 3-5			
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Degeneration TGLS = 4-6 ]			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-8			
Note: [ LEUKEMIA MONUC ] TGLs = 5-3			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Prostate		Inflammation	Suppurative, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 15

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 560

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45739

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

Thymus

Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 2-21			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thymus	Epithel Cell	Thymoma Benign	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 2-22			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Mild
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 3-23			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 643

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
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	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Testes	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Brain		Compression	Marked
		Hydrocephalus	Moderate
Note: [ HYDROCEPHALUS ] TGLs = 6-1			
Note: [ COMPRESSION ] TGLs = 5-1			
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 2-5			
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
[ Dilatation TGLS = 1-21 ]			
[ Fibroadenoma TGLS = 1-21 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-1			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 7-8-1			
Prostate		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 18	<b>TRT#:</b> 1	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 643
	<b>DOSE:</b> 0%	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b> 88-46404

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Glandular	Edema	Mild
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Marked
	Forestomach	Ulcer	Marked

Note: [ ULCER ] TGLs = 3-4  
[ Ulcer TGLS = 8-4-1 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45241

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-1		
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Dilatation	Moderate
Note: DILATATION	TGLs = 1-7		
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Adenoma	
		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7, 2-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 633

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Mammary Gland  
Skeletal Muscle  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Nose  
Skin  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone Marrow  
Intestine Small  
Kidney

Ileum

Leukemia Mononuclear  
Leukemia Mononuclear  
Necrosis  
Nephropathy

Focal, Mild  
Minimal

Note: [ NECROSIS ] TGLs = 8-22

Liver

Centrilobular

Atrophy  
Degeneration  
Fatty Change  
Fibrosis  
Hepatocellular Adenoma  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Cystic, Minimal  
Mild  
Mild  
Multiple, Two  
Mild  
Moderate  
Multifocal, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 9-6,10-6

Note: [ HDN ] TGLs = 12-24

Note: [ HEPATOCLR ADEN ] TGLs = 11-23,13-25

Lung

Lymph Node

Axillary  
Deep Cervical  
Inguinal  
Mandibular

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 21	<b>TRT#:</b> 1 <b>DOSE:</b> 0%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 633 <b>HISTO:</b> 88-46300
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ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 15-26  
 Note: [ LEUKEMIA MONUC ] TGLs = 14-3  
 Note: [ LEUKEMIA MONUC ] TGLs = 6-7  
 Note: [ LEUKEMIA MONUC ] TGLs = 2-21  
 Note: [ LEUKEMIA MONUC ] TGLs = 1-8

Mesentery	Leukemia Mononuclear	
Pancreas	Atrophy	Focal, Mild
	Focal Cellular Change	Mild
	Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 17-7

Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

[ Leukemia Mononuclear TGLS = 16-1 ]

Preputial Gland	Degeneration	Cystic, Moderate
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Note: [ DEGEN ] TGLs = 3-8-1

Prostate	Inflammation	Suppurative, Mild
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Salivary Glands	Leukemia Mononuclear	
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Spleen	Leukemia Mononuclear	
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Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1

Testes	Bilateral, Interstit Cell	Adenoma
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Note: [ ADENOMA ] TGLs = 4-7

Thyroid Gland	C Cell	Adenoma
		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH	-
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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 705

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pituitary Gland  
Stomach - Forestomach  
Tongue

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Intestine Large  
Kidney  
Liver

Colon

Parasite Metazoan  
Nephropathy  
Degeneration  
Fatty Change

Mild  
Mild  
Cystic, Minimal  
Mild

Biliar Tract

Fibrosis  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Hyperplasia

Minimal  
Mild  
Mild  
Mild

Bile Duct

Note: [ HDN ] TGLs = 10-23

Lung  
Mammary Gland

Alveolar Epith

Hyperplasia  
Dilatation  
Hyperplasia  
Necrosis

Minimal  
Mild  
Mild  
Moderate

Mesentery

Fat

Note: [ NECROSIS ] TGLs = 6-22

Pancreas  
Preputial Gland

Atrophy  
Degeneration

Focal, Minimal  
Cystic, Moderate

[ Degeneration TGLS = 2-8-1, 3-8-1 ]

Prostate

Inflammation

Suppurative, Moderate

Note: [ INFLAMMATION ] TGLs = 7-7-1

Seminal Vesicle

Dilatation

Moderate

Note: [ DILATATION ] TGLs = 8-7

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 22

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 705

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47066

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin

Subcut Tiss

Fibroma

[ Fibroma TGLS = 1-21, 11-24 ]

Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Degeneration

Moderate

Note: [ ADENOMA ] TGLs = 4-7

[ Adenoma TGLS = 5-7 ]

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 668

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pituitary Gland  
Skeletal Muscle  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Prostate  
Skin  
Trachea

OBSERVATIONS

Bone Marrow  
Kidney  
Liver

Centrilobular

Biliar Tract  
Bile Duct

Pancreatic

Hypocellularity  
Nephropathy  
Angiectasis  
Atrophy  
Degeneration  
Fatty Change  
Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Infiltration Cellular  
Angiectasis

Inflammation  
Atrophy  
Degeneration  
Hematopoietic Cell Proliferation  
Hyperplasia

Moderate  
Moderate  
Mild  
Moderate  
Cystic, Mild  
Mild  
Moderate  
Moderate  
Multifocal, Moderate  
Focal, Moderate

Mixed Cell, Mild  
Mild

Suppurative, Moderate  
Focal, Mild  
Cystic, Mild  
Mild  
Histiocytic, Moderate

Note: [ DEGEN ] TGLs = 5-21

Note: [ FATTY CHANGE ] TGLs = 6-6

Lung

Lymph Node

Note: [ ANGIECTASIS ] TGLs = 7-7

Nose

Pancreas

Preputial Gland

Spleen

Note: [ HYPERPLASIA ] TGLs = 4-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 24

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 668

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46939

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Hyperplasia TGLS = 4-6 ]

Testes

Bilateral, Interstit Cell  
Germinal Epith

Adenoma  
Degeneration

Moderate

Note: [ DEGEN ] TGLs = 2-7

Note: [ ADENOMA ] TGLs = 1-7

Thymus

Cyst

Minimal

Thyroid Gland

C Cell

Adenoma

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ DEGEN ] TGLs = 6-23			
Lung	Alveolar Epith	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 5-2			
Lymph Node	Pancreatic	Cyst	Moderate
Note: [ CYST ] TGLs = 4-22			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 2-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 25

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47372

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thymus

Leukemia Mononuclear

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
Note: [ INFLAMMATION ] TGLs = 5-7			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 10-25 [ Fatty Change TGLS = 9-24 ]			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 6-23			
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Skin	Subcut Tiss	Fibroma	
		Keratoacanthoma	
Note: [ FIBROMA ] TGLs = 2-22 Note: [ KERATOACANTHMA ] TGLs = 1-21			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47535

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen Note: [ HEMA CELL PROL ] TGLs = 7-6		Hematopoietic Cell Proliferation	Mild
Testes Note: [ DEGEN ] TGLs = 4-7 Note: [ ADENOMA ] TGLs = 3-7	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
Tooth	Incisor Incisor	Dysplasia Inflammation	Mild Suppurative, Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 457

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Focal Cellular Change	Minimal
		Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: 0%

DISP: Natural Death

HISTO: 88-46301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pituitary Gland  
Skin  
Tongue

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

Bone  
Heart  
Intestine Small - Duodenum  
Nose  
Seminal Vesicle  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Skeletal Muscle  
Thyroid Gland

OBSERVATIONS

Bone Marrow  
Kidney  
Liver

Centrilobular

Biliar Tract  
Bile Duct

Leukemia Mononuclear  
Nephropathy  
Atrophy  
Fatty Change  
Fibrosis  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Marked  
Marked  
Mild  
Moderate  
Multifocal, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 6-6

Lung

Mediastinum

Leukemia Mononuclear  
Leukemia Mononuclear

Lymph Node

Mediastinal  
Inguinal  
Mandibular  
Mesenteric

Angiectasis  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Mild

Note: [ ANGIECTASIS ] TGLs = 7-3

Mammary Gland  
Pancreas  
Preputial Gland  
Prostate  
Spleen

Fibroadenoma  
Atrophy  
Degeneration  
Inflammation  
Leukemia Mononuclear

Focal, Moderate  
Cystic, Mild  
Suppurative, Minimal

Note: [ LEUKEMIA MONUC ] TGLs = 5-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 28

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** 0%

**DISP:** Natural Death

**HISTO:** 88-46301

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach Note: [ EROSION ] TGLs = 8-4	Glandular	Erosion	Mild
Testes Note: [ DEGEN ] TGLs = 4-21 Note: [ ADENOMA ] TGLs = 3-7	Interstit Cell Germinal Epith	Adenoma Degeneration	Marked

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 457

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
[ Inflammation TGLS = 3-21 ]			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
Note: DEGEN TGLs = 2-7			
Note: ADENOMA TGLs = 1-7			
Urethra	Bulboureth GI	Dilatation	Moderate
Note: DILATATION TGLs = 4-22			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [ DEGEN ] TGLs = 1-21			
Note: [ CATARACT ] TGLs = 1-21			
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 7-5			
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 9-24			
Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 2-8			
		[ Dilatation TGLS = 3-22 ]	
Pancreas		Focal Cellular Change	Minimal
Pituitary Gland		Cyst	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Prostate		Dilatation	Moderate
		Hyperplasia	Mild
		Inflammation	Suppurative, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 30

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47373

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ INFLAMMATION ] TGLs = 5-7-1

Note: [ DILATATION ] TGLs = 5-7-1

Seminal Vesicle

Dilatation

Moderate

Note: [ DILATATION ] TGLs = 6-7

Stomach

Forestomach, Mucosa

Hyperplasia

Minimal

Note: [ HYPERPLASIA ] TGLs = 8-23

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLs = 4-2-1 ]			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 1-21			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
Note: [ ADENOMA ] TGLs = 2-7			
Note: [ DEGEN ] TGLs = 3-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 31

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47374

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 705

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Stomach - Forestomach
Testes	Thymus	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Brain		Compression	Mild
Note: [ COMPRESSION ] TGLs = 6-1			
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLs = 2-8 ]			
Mammary Gland		Dilatation	Moderate
Note: [ DILATATION ] TGLs = 9-8			
Mesentery		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-22			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 32

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 705

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47067

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland

Degeneration

Cystic, Mild

Prostate

Inflammation

Suppurative, Mild

Skin

Keratoacanthoma

[ Keratoacanthoma TGLS = 1-21 ]

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-6

Stomach

Glandular

Edema

Mild

Note: [ EDEMA ] TGLs = 7-4

Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Inflammation	Focal, Minimal
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 3-21			
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 4-22			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ HDN ] TGLs = 1-21 [ Fibrosis TGLS = 2-22 ] [ Hyperplasia TGLS = 3-23 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
	Mucosa	Metaplasia	Squamous, Mild
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-10			
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7,3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 7-24			
Note: [ HYPERPLASIA ] TGLs = 8-25			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 4-22			
Pancreas	Acinar Cell	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 5-23			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8, 3-8			
Prostate		Inflammation	Suppurative, Minimal
Skin		Keratoacanthoma	
Note: [ KERATOACANTHMA ] TGLs = 1-21			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Adenoma	
[ Adenoma TGLS = 6-3 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 36

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47377

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 525

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Pituitary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
	[ Hepatodiaphragmatic Nodule TGLS = 4-22 ]		
Lymph Node	Mandibular	Cyst	Moderate
	Mandibular	Hyperplasia	Mild
	[ Cyst TGLS = 1-8 ]		
	[ Hyperplasia TGLS = 1-8 ]		
Mesentery	Fat	Necrosis	Mild
	[ Necrosis TGLS = 2-21 ]		
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	[ Adenoma TGLS = 3-7 ]		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 37

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 525

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45645

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Minimal
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Mammary Gland		Dilatation	Minimal
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7, 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Kidney		Nephropathy	Mild
		Pigmentation	Mild
Note: [ PIGMENT ] TGLs = 4-5			
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 7-22			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 8-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 39

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47536

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Preputial Gland

Degeneration

Cystic, Moderate

Prostate

Inflammation

Suppurative, Minimal

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Note: [ FIBROSIS ] TGLs = 3-21

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-3

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Hyperplasia	Lymphoid, Mild
Note: [ ALV BRON ADEN ] TGLs = 5-2-1			
Lymph Node		Cyst	Moderate
	Mandibular	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 3-8			
Note: [ CYST ] TGLs = 3-8			
Mammary Gland		Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 2-8			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 40

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47379

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Prostate

Inflammation

Suppurative, Moderate

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Lung	Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Note: [ FIBROSIS ] TGLs = 4-22

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Minimal
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
		Leukemia Mononuclear	
[ Fatty Change TGLS = 4-22 ]			
[ Leukemia Mononuclear TGLS = 5-23 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-1			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Skeletal Muscle		Schwannoma Malignant	
Skin		Infiltration Cellular	Lymphocyte, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47381

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ SCHWANNOMA MAL ] TGLs = 3-21

Testes

Bilateral, Interstit Cell

Schwannoma Malignant

Metastatic (Skeletal Muscle)

Note: [ ADENOMA ] TGLs = 2-7

Thymus

Adenoma

Thyroid Gland

C Cell

Cyst

Mild

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-3			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Hyperplasia	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 467

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
[ Fatty Change TGLS = 3-21 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 6-7			
Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Ear	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Colon	Parasite Metazoan	Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HEPATOCLR ADEN ] TGLs = 3-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8, 2-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45301

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Adenoma	
		Inflammation	Chronic, Marked
Note: ADENOMA TGLs = 1-21			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7,2-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Degeneration	Cystic, Mild
		Fibrosis	Mild
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mandibular	Angiectasis	Moderate
	Mandibular	Edema	Moderate
	Mandibular	Hyperplasia	Moderate
Note: [ ANGIECTASIS ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			
Thymus		Hyperplasia	Lymphoid, Moderate
Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 47

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47383

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Follicular Cel

Hyperplasia

Mild

Zymbal's Gland

Carcinoma

Note: [ CARCINOMA ] TGLs = 3-21

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 495

DOSE: 0%

DISP: Natural Death

HISTO: 88-45519

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Moderate
Lung		Congestion	Mild
		Hemorrhage	Mild
Note: [ HEMORRHAGE ] TGLs = 7-2			
Note: [ CONGESTION ] TGLs = 7-2			
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Minimal
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 1-7			
Note: [ ADENOMA ] TGLs = 6-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Focal Cellular Change Pheochromocytoma Benign	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 3-21			
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Seminal Vesicle		Dilatation	Mild
Note: [ DILATATION ] TGLs = 4-7			
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 5-22			
Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			
Note: [ ADENOMA ] TGLs = 1-7			
Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 49

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47384

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Malignant	
Note: [ LEUKEMIA MONUC ] TGLs = 5-10			
Note: [ LEUKEMIA MONUC ] TGLs = 5-10			
Brain		Compression	Mild
		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: [ COMPRESSION ] TGLs = 10-1			
[ Leukemia Mononuclear TGLS = 8-1 ]			
Intestine Large	Cecum	Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lung		Hemorrhage	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 50	TRT#: 1 DOSE: 0%	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 682 HISTO: 88-46940
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Note: [ HEMORRHAGE ] TGLs = 7-2 Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-3 Note: [ LEUKEMIA MONUC ] TGLs = 11-5 Note: [ LEUKEMIA MONUC ] TGLs = 1-8 Mesentery Pancreas		Leukemia Mononuclear Atrophy Leukemia Mononuclear Adenoma Leukemia Mononuclear	Focal, Minimal
Pituitary Gland	Pars Distalis		
[ Adenoma TGLS = 9-1 ] [ Leukemia Mononuclear TGLS = 9-1 ] Preputial Gland		Degeneration Leukemia Mononuclear	Cystic, Mild
Prostate		Inflammation Leukemia Mononuclear Leukemia Mononuclear	Suppurative, Minimal
Spleen Note: [ LEUKEMIA MONUC ] TGLs = 3-6 Testes	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear	
Note: [ ADENOMA ] TGLs = 2-7 Thymus Tooth	Incisor	Leukemia Mononuclear Inflammation	Suppurative, Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Nose	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tongue	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Hemorrhage	Mild
Note: [ HEMORRHAGE ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Angiectasis	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 6-22			
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 51

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47385

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-7

Thyroid Gland

C Cell

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 542

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone Marrow		Leukemia Mononuclear	
Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
Note: [ LEUKEMIA MONUC ] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Note: [ LEUKEMIA MONUC ] TGLs = 4-7-1			
Note: [ LEUKEMIA MONUC ] TGLs = 11-3			
[ Leukemia Mononuclear TGLS = 10-24 ]			
Mesentery		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 542

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45684

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ NECROSIS ] TGLs = 9-23 Pancreas Preputial Gland Prostate Skin Note: [ NECROSIS ] TGLs = 2-21 Spleen	Fat	Necrosis	Moderate
Note: [ HEMORRHAGE ] TGLs = 6-22 Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1 Note: [ NECROSIS ] TGLs = 6-22 Testes Note: [ ADENOMA ] TGLs = 3-7	Fat, Subcut Tiss    Bilateral, Interstit Cell	Atrophy Degeneration Inflammation Necrosis  Hemorrhage Leukemia Mononuclear Necrosis  Adenoma	Focal, Minimal Cystic, Moderate Suppurative, Minimal Minimal  Moderate  Focal, Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver		Angiectasis	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ ANGIECTASIS ] TGLs = 4-22			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Adenoma	
		Atrophy	Focal, Mild
Note: [ ADENOMA ] TGLs = 3-21			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	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	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Inflammation	Focal, Minimal
[ Inflammation TGLS = 3-22 ]			
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS TGLs = 1-21			
Pituitary Gland	Pars Distalis	Adenoma	
		Angiectasis	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 4-5			
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Moderate
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-21			
[ Focal Cellular Change TGLS = 6-22 ]			
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 2-8			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-23			
Pancreas		Atrophy	Focal, Mild
		Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Moderate
Note: [ INFLAMMATION ] TGLs = 3-7			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 55

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47387

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 4-21			
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Mesentery		Mesothelioma Benign	
Note: [ MESOTHELIO BGN ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 4-22			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Carcinoma	
Note: [ CARCINOMA ] TGLs = 3-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 574

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45764

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Eye	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	Prostate	Salivary Glands
Seminal Vesicle	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
Mesentery		Inflammation	Chronic, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Skeletal Muscle		Hemorrhage	Moderate
		Inflammation	Chronic, Mild
[ Hemorrhage TGLS = 6-22 ]			
Skin		Edema	Moderate
		Hemorrhage	Moderate
		Inflammation	Chronic, Moderate
		Ulcer	Moderate
[ Edema TGLS = 4-21 ]			
[ Hemorrhage TGLS = 4-21 ]			
[ Inflammation TGLS = 4-21 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 59

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 574

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45764

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Ulcer TGLS = 5-21 ]

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-7

Urinary Bladder

Inflammation

Chronic, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 729

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
[ Angiectasis TGLS = 4-3-1 ]			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 2-21			
Pancreas		Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 3-22			
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 5-23			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 528

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-6			
Lung		Hemorrhage	Minimal
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 10-2-1 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-3			
[ Leukemia Mononuclear TGLS = 2-8 ]			
[ Leukemia Mononuclear TGLS = 8-7 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 61

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 528

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45644

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Preputial Gland

Degeneration

Cystic, Minimal

Prostate

Inflammation

Suppurative, Minimal

Spleen

Fibrosis

Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1

Note: [ FIBROSIS ] TGLs = 6-21

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Preputial Gland		Adenoma	
		Degeneration	Cystic, Mild
		Inflammation	Chronic, Marked
Note: [ DEGEN ] TGLs = 3-8-1			
Note: INFLAMMATION TGLs = 2-8-1			
Note: ADENOMA TGLs = 2-8-1			
Prostate		Dilatation	Moderate
Note: DILATATION TGLs = 5-7			
Testes	Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 4-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Epididymis	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
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Brain		Compression	Mild
[ Compression TGLS = 3-1 ]			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fatty Change	Minimal
		Fibrosis	Mild
	Bile Duct	Focal Cellular Change	Minimal
		Hyperplasia	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-1 ]			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Seminal Vesicle  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Skeletal Muscle  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla

Pheochromocytoma Benign

Nephropathy  
Fatty Change

Mild  
Mild

Biliar Tract  
Bile Duct

Fibrosis  
Hyperplasia  
Inflammation

Moderate  
Moderate  
Focal, Mild

Lung  
Lymph Node

Alveolar Epith  
Mesenteric  
Mediastinal

Hyperplasia  
Cyst  
Hemorrhage

Minimal  
Marked  
Moderate

Note: [ HEMORRHAGE ] TGLs = 7-3

Note: [ CYST ] TGLs = 6-5

Nose

Fungus  
Inflammation  
Cyst

Mild  
Suppurative, Mild  
Mild

Pituitary Gland  
Preputial Gland

Degeneration

Cystic, Moderate

Note: [ DEGEN ] TGLs = 1-8

Skin

Subcut Tiss

Lipoma

Note: [ LIPOMA ] TGLs = 2-21

Spleen

Fibroma  
Fibrosis

Moderate

Note: [ FIBROMA ] TGLs = 5-22

Note: [ FIBROSIS ] TGLs = 4-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 64

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48107

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

Thyroid Gland

C Cell

Adenoma

Ultimobranchial Cyst

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Prostate  
Skin  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla  
  
Centrilobular  
  
Biliar Tract  
Bile Duct

Pheochromocytoma Benign  
Nephropathy  
Atrophy  
Degeneration  
Fatty Change  
Fibrosis  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Mild  
Minimal  
Cystic, Mild  
Minimal  
Mild  
Mild  
Multifocal, Mild

Note: [ HYPERPLASIA ] TGLs = 4-22

Lung  
Preputial Gland  
Spleen

Leukemia Mononuclear  
Degeneration  
Fibrosis  
Leukemia Mononuclear

Cystic, Mild  
Mild

Note: [ FIBROSIS ] TGLs = 2-21

Note: [ LEUKEMIA MONUC ] TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 553

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Spleen
Stomach - Forestomach	Stomach - Glandular	Tongue	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus	Thyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Cyst	Mild
		Nephropathy	Mild
Liver		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
		[ Hepatodiaphragmatic Nodule TGLS = 5-22, 6-22 ]	
Lymph Node	Mandibular	Hyperplasia	Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Skin		Exudate	Minimal
		[ Exudate TGLS = 1-21 ]	
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
		[ Adenoma TGLS = 3-7 ]	
		[ Degeneration TGLS = 4-7 ]	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
[ Inflammation TGLS = 2-21,4-23 ]			
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8-1			
Skin		Inflammation	Chronic, Mild
Note: INFLAMMATION TGLs = 3-22			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 693

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Thyroid Gland	Tissue NOS
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hypercellularity	Moderate
Heart		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: [ ADENOCARC ] TGLs = 15-5-1			
Intestine Large	Colon	Adenocarcinoma	
Note: [ ADENOCARC ] TGLs = 5-24			
Kidney	Pelvis	Adenocarcinoma	Metastatic (Intestine Large)
		Dilatation	Mild
		Nephropathy	Mild
Note: [ DILATATION ] TGLs = 3-22			
Liver	Biliar Tract	Adenocarcinoma	Metastatic (Intestine Large)
		Fibrosis	Mild
		Hemorrhage	Moderate
	Bile Duct	Hyperplasia	Marked
	Centrilobular	Necrosis	Moderate
Note: [ ADENOCARC ] TGLs = 7-25, 8-30, 9-27			
Lung	Mediastinum	Adenocarcinoma	Metastatic (Intestine Large)
		Adenocarcinoma	Metastatic (Intestine Large)
Note: [ ADENOCARC ] TGLs = 12-29			
Note: [ ADENOCARC ] TGLs = 16-2-1			
Lymph Node	Mediastinal	Adenocarcinoma	Metastatic (Intestine Large)
	Mesenteric	Adenocarcinoma	Metastatic (Intestine Large)
	Renal	Adenocarcinoma	Metastatic (Intestine Large)
Note: [ ADENOCARC ] TGLs = 14-3			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 68	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 693 <b>HISTO:</b> 88-46950
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ ADENOCARC ] TGLs = 6-26			
Note: [ ADENOCARC ] TGLs = 4-23			
Mesentery		Adenocarcinoma	Metastatic (Intestine Large)
Note: [ ADENOCARC ] TGLs = 2-21			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Adenocarcinoma	Metastatic (Intestine Large)
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Adenocarcinoma	Metastatic (Intestine Large)
Seminal Vesicle		Adenocarcinoma	Metastatic (Intestine Large)
Skeletal Muscle		Adenocarcinoma	Metastatic (Intestine Large)
Note: [ ADENOCARC ] TGLs = 11-28			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Edema	Mild
	Glandular	Edema	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thymus		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: [ ADENOCARC ] TGLs = 13-3			

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
Prostate		Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 633

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-3 ]			
[ Leukemia Mononuclear TGLS = 1-8 ]			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 3-21			
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 70

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 633

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46309

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Stomach

Forestomach, Mucosa

Hyperplasia

Mild

Forestomach

Inflammation

Chronic, Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Cyst	Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 2-7			
Note: [ DEGEN ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	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 - Mesenteric	Nose	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Minimal
	Cortex	Focal Cellular Change	Minimal
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 4-23			
Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Brain	Meninges	Angiectasis	Minimal
		Note: [ ANGIECTASIS ] TGLs = 6-24	
Kidney		Lipoma	
		Nephropathy	Moderate
		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
		Fibrosis	Minimal
Liver	Biliar Tract	Fibrosis	Focal, Mild
		Focal Cellular Change	Mild
		Hyperplasia	Mild
	Bile Duct	Inflammation	Focal, Mild
		Pigmentation	Mild
Note: [ PIGMENT ] TGLs = 5-22			
Note: [ FIBROSIS ] TGLs = 5-22			
Mammary Gland		Dilatation	Marked

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48111

**ORGAN AND ACCOUNTABLE SITE STATUS**

		Hemorrhage	Moderate
Note: [ HEMORRHAGE ] TGLs = 1-21			
Note: [ DILATATION ] TGLs = 1-21			
Pancreas	Acinar Cell	Hyperplasia	Mild
Pituitary Gland		Angiectasis	Mild
		Cyst	Mild
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Lung  
Nose  
Prostate  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Adrenal Gland  
Intestine Small  
    Note: CONGESTION    TGLs = 1-21  
Kidney  
Liver  
  
Preputial Gland  
Testes

Medulla  
Ileum  
  
Biliar Tract  
Bile Duct  
  
Bilateral, Interstit Cell

Pheochromocytoma Benign  
Congestion  
  
Nephropathy  
Fatty Change  
Fibrosis  
Hyperplasia  
Inflammation  
Degeneration  
Adenoma

Minimal  
  
Mild  
Mild  
Mild  
Mild  
Focal, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Skin  
Tongue

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Mammary Gland  
Skeletal Muscle  
Thymus

OBSERVATIONS

Adrenal Gland  
Intestine Large  
Kidney

Medulla  
Colon  
Renal Tubule

Hyperplasia  
Parasite Metazoan  
Adenoma  
Nephropathy

Minimal  
Minimal  
Mild

Note: [ ADENOMA ] TGLs = 2-21  
Liver

Degeneration  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Minimal  
Minimal  
Mild  
Mild  
Mild  
Focal, Mild

Biliar Tract  
Bile Duct

Note: [ FOCAL CELL CH ] TGLs = 4-22  
Lung

Note: [ HYPERPLASIA ] TGLs = 5-2-1  
Nose

Alveolar Epith

Hyperplasia

Mild

Pancreas  
Pituitary Gland  
Preputial Gland

Pars Distalis

Fungus  
Inflammation  
Atrophy  
Focal Cellular Change  
Degeneration

Mild  
Suppurative, Mild  
Focal, Mild  
Minimal  
Cystic, Moderate

Note: [ DEGEN ] TGLs = 3-8  
Prostate  
Spleen

Inflammation  
Fibrosis

Suppurative, Minimal  
Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 74

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48112

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

Thyroid Gland

Follicle

Cyst

Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 570

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-45752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Myelofibrosis	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Mild
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-8 ]			
Mesentery		Leukemia Mononuclear	
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Leukemia Mononuclear	
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-2-1 ]			
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
		Hyperplasia	Mild
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
[ Hyperplasia TGLS = 4-1-1 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Seminal Vesicle  
Thymus  
Urinary Bladder

Epididymis  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skeletal Muscle  
Thyroid Gland

OBSERVATIONS

Adrenal Gland  
Note: [ PHEOCHROM BGN ] TGLs = 6-10

Bilateral, Medulla

Pheochromocytoma Benign

Bone  
Note: [ OSTEOSARC ] TGLs = 3-22, 3-22-1

Osteosarcoma

Heart  
Note: [ THROMBUS ] TGLs = 5-5-1

Thrombosis

Moderate

Intestine Large  
Kidney  
Liver

Rectum

Parasite Metazoan  
Nephropathy  
Degeneration  
Fatty Change

Minimal  
Mild  
Cystic, Mild  
Minimal

Biliar Tract  
Bile Duct

Fibrosis  
Hyperplasia  
Inflammation  
Osteosarcoma

Mild  
Mild  
Focal, Mild  
Metastatic (Bone)

Lung  
Pancreas  
Preputial Gland  
Prostate

Atrophy  
Degeneration  
Hyperplasia  
Inflammation  
Osteosarcoma

Focal, Mild  
Cystic, Moderate  
Minimal  
Suppurative, Minimal  
Metastatic (Bone)

Spleen  
Note: [ OSTEOSARC ] TGLs = 2-21

Stomach

Forestomach  
Forestomach, Mucosa

Erosion  
Hyperplasia

Minimal  
Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 77

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48114

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Forestomach

Inflammation

Chronic, Minimal

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Skin  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Ileum  
Mammary Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Nose  
Skeletal Muscle  
Thymus

OBSERVATIONS

Bone Marrow  
Intestine Large  
Kidney  
Liver

Colon  
  
Centrilobular  
  
Biliar Tract  
  
Bile Duct

Leukemia Mononuclear  
Parasite Metazoan  
Nephropathy  
Atrophy  
Degeneration  
Fibrosis  
Hepatocellular Adenoma  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Minimal  
Mild  
Mild  
Cystic, Moderate  
Mild  
  
Moderate  
Multifocal, Mild

Note: [ DEGEN ] TGLs = 6-21  
Note: [ HEPATOCLR ADEN ] TGLs = 6-21  
Note: [ LEUKEMIA MONUC ] TGLs = 3-6, 7-6

Lung  
Note: [ LEUKEMIA MONUC ] TGLs = 1-2, 4-2

Lymph Node  
Pancreas  
Pituitary Gland  
Preputial Gland  
Prostate  
Spleen

Mandibular  
  
  
Pars Distalis

Leukemia Mononuclear  
  
Leukemia Mononuclear  
Atrophy  
Adenoma  
Degeneration  
Inflammation  
Leukemia Mononuclear

Focal, Minimal  
  
  
Cystic, Mild  
Suppurative, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 78

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 710

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48115

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 5-7

Thyroid Gland

C Cell

Adenoma

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	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	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45267

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Stomach - Glandular	Tongue	Trachea

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Mild
	Meninges	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 17-28			
Heart		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-6			
Lung		Exudate	Mild
		Hyperplasia	Macrophage, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-2, 18-2-1			
Lymph Node	Axillary	Leukemia Mononuclear	
	Deep Cervical	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48117

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear
Popliteal	Leukemia Mononuclear
Renal	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-8  
 Note: [ LEUKEMIA MONUC ] TGLs = 12-24  
 Note: [ LEUKEMIA MONUC ] TGLs = 13-5  
 Note: [ LEUKEMIA MONUC ] TGLs = 14-25  
 Note: [ LEUKEMIA MONUC ] TGLs = 1-8, 1-21  
 Note: [ LEUKEMIA MONUC ] TGLs = 2-22  
     [ Leukemia Mononuclear TGLS = 15-26 ]  
     [ Leukemia Mononuclear TGLS = 10-3 ]  
     [ Leukemia Mononuclear TGLS = 6-29 ]  
     [ Leukemia Mononuclear TGLS = 16-27 ]

Mesentery	Leukemia Mononuclear	
Pancreas	Leukemia Mononuclear	
Pituitary Gland	Cyst	Minimal
Preputial Gland	Degeneration	Cystic, Moderate
	Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 4-8  
 Note: [ DEGEN ] TGLs = 4-8

Prostate	Inflammation	Suppurative, Mild
Skin	Subcut Tiss	Leukemia Mononuclear
Spleen	Fibrosis	Mild
	Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 8-6  
 Note: [ FIBROSIS ] TGLs = 7-23

Stomach	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

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<b>ANIMAL ID:</b> 81	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3%	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 88-48117
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Forestomach	Leukemia Mononuclear	
Forestomach	Ulcer	Moderate
Note: [ INFLAMMATION ] TGLs = 20-4 Note: [ ULCER ] TGLs = 19-4-1		
Testes	Bilateral, Interstit Cell	Adenoma Leukemia Mononuclear
Note: [ ADENOMA ] TGLs = 5-7		
Thymus	Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia Mild
Urinary Bladder	Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 396

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 87-45269

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
		Pigmentation	Moderate
Note: PIGMENT TGLs = 3-5			
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: HDN TGLs = 5-21			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-7 ]			
Nose	Vomeronas Org	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 82

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 396

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 87-45269

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-6		
Testes	Bilateral, Interstit Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Moderate
		Hepatocellular Adenoma	Multiple, Three
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ HEPATOCLR ADEN ] TGLs = 7-21, 8-22, 10-24			
Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Mammary Gland		Dilatation	Minimal
		Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48118

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8			
Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 9-23			
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-7, 5-7			
Thyroid Gland	Follicle	Cyst	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Skin  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver  
  
Mesentery  
Note: [ NECROSIS ] TGLs = 2-21  
Pancreas  
Preputial Gland  
Note: [ DEGEN ] TGLs = 1-8  
Spleen  
Note: [ FIBROSIS ] TGLs = 4-22  
Testes  
Note: [ ADENOMA ] TGLs = 3-7

Medulla  
  
Biliar Tract  
  
Bile Duct  
  
Fat  
  
Bilateral, Interstit Cell

Hyperplasia  
Nephropathy  
Degeneration  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Inflammation  
Necrosis  
  
Atrophy  
Degeneration  
  
Fibrosis  
  
Adenoma

Mild  
Mild  
Cystic, Mild  
Mild  
Mild  
Mild  
Multifocal, Minimal  
Focal, Mild  
Mild  
  
Focal, Minimal  
Cystic, Moderate  
  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 2-21		
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Urinary Bladder		Squamous Cell Papilloma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Hypercellularity	Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ HEMA CELL PROL ] TGLs = 3-6			
Lung		Infiltration Cellular	Mixed Cell, Mild
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 5-8			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Moderate
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 2-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 86

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48120

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	Mild
[ Compression TGLS = 8-1 ]			
Eye		Atrophy	Marked
		Cataract	Marked
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-21, 1-44			
Note: [ ATROPHY ] TGLs = 2-21			
Note: [ DEGEN ] TGLs = 1-21, 1-44			
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	Mild
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-8 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48121

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8			
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 2-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Pancreas	Acinar Cell	Adenoma	Multiple
		Atrophy	Focal, Minimal
Note: [ ADENOMA ] TGLs = 3-21			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Minimal
Salivary Glands		Focal Cellular Change	Mild
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain		Glioma Malignant	
[ Glioma Malignant TGLS = 9-1 ]			
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Moderate
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	Four, Multiple
	Bile Duct	Hyperplasia	Marked
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]			
TGLs = 11-6			
Note: [ HEPATOCLR ADEN ]			
TGLs = 7-22, 8-23, 10-6, 12-24			
Note: [ HYPERPLASIA ]			
TGLs = 12-24			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48123

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ DILATATION ] TGLs = 1-8  
Preputial Gland

Degeneration  
Hyperplasia

Cystic, Moderate  
Mild

Note: [ DEGEN ] TGLs = 3-8  
Skin

Subcut Tiss

Fibroma

Note: [ FIBROMA ] TGLs = 2-21  
Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-6  
Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Parathyroid Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Minimal
	Medulla	Hyperplasia	Mild
Kidney		Cyst	Mild
		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mandibular	Hyperplasia	Moderate
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Adenoma	Multiple
Note: [ ADENOMA ] TGLs = 5-22			
Pituitary Gland		Hemorrhage	Mild
[ Hemorrhage TGLS = 4-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 90

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48124

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ DEGEN ] TGLs = 2-8

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 488

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-45505

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Thyroid Gland	Tongue	Trachea	Urinary Bladder

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Preputial Gland		Degeneration	Cystic, Minimal
Spleen		Congestion	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
[ Congestion TGLS = 1-6 ]			
Stomach	Glandular	Erosion	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 91

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 488

**DOSE:** 0.3%

**DISP:** Natural Death

**HISTO:** 88-45505

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Glandular

Leukemia Mononuclear

Note: [ EROSION ] TGLs = 6-4, 6-4-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 7-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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 - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Cortex	Hematopoietic Cell Proliferation	Mild
	Medulla	Hyperplasia	Minimal
Heart	Artery	Inflammation	Chronic, Mild
		Nephropathy	Mild
Kidney	Biliar Tract	Degeneration	Cystic, Minimal
		Fibrosis	Mild
Liver	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
Lung	Mandibular	Inflammation	Focal, Mild
		Hyperplasia	Lymphoid, Mild
Lymph Node		Cyst	Mild
		Fungus	Mild
Nose		Inflammation	Suppurative, Mild
		Atrophy	Focal, Minimal
Pancreas		Degeneration	Cystic, Moderate
		Hyperplasia	Minimal
Preputial Gland			
Prostate			
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45307

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 581

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45783

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
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	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Moderate
		Pigmentation	Moderate
Note: [ LEUKEMIA MONUC ] TGLs = 4-23			
Note: [ PIGMENT ] TGLs = 5-5			
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Lung		Fungus	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Note: [ FUNGUS ] TGLs = 7-2-1			
Note: [ INFLAMMATION ] TGLs = 7-2-1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 2-21			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 581

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45783

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Skin		Cyst Epithelial Inclusion	Moderate
Note: [ CYST EPITH INC ]	TGLs = 9-24		
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 8-6		
Note: [ FIBROSIS ]	TGLs = 3-22		
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Inflammation	Chronic, Mild
	Forestomach	Ulcer	Mild
[ Inflammation TGLS = 10-4-1 ]			
[ Ulcer TGLS = 10-4-1 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ]	TGLs = 1-7		
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 4-21			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 2-7			
Note: [ DEGEN ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-23 ]			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 3-22			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-6 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45308

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Kidney  
Liver

Bile Duct

Preputial Gland  
Prostate  
Testes

Bilateral, Interstit Cell

Nephropathy  
Fatty Change  
Hyperplasia  
Inflammation  
Degeneration  
Inflammation  
Adenoma

Mild  
Minimal  
Minimal  
Focal, Minimal  
Cystic, Mild  
Suppurative, Mild

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver  
  
  
  
  
  
  
  
  
  
Lung  
Pancreas  
Pituitary Gland  
Preputial Gland  
    Note: [ DEGEN     ] TGLs = 2-8-1  
Prostate  
Skin  
    Note: [ FIBROSARC   ] TGLs = 1-21  
Testes  
    Note: [ ADENOMA     ] TGLs = 3-7

Medulla  
  
  
Biliar Tract  
  
Bile Duct  
  
  
  
  
  
  
  
  
  
Subcut Tiss  
  
Bilateral, Interstit Cell

Hyperplasia  
Nephropathy  
Degeneration  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Infiltration Cellular  
Inflammation  
Infiltration Cellular  
Atrophy  
Hemorrhage  
Degeneration  
  
Inflammation  
Fibrosarcoma  
  
Adenoma

Mild  
Mild  
Cystic, Mild  
Mild  
Mild  
Mild  
Mixed Cell, Mild  
Focal, Mild  
Mixed Cell, Minimal  
Focal, Minimal  
Mild  
Cystic, Moderate  
  
Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Congestion	Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ CONGESTION ] TGLs = 3-6			
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Moderate
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-22			
Lymph Node	Mediastinal	Angiectasis	Moderate
[ Angiectasis TGLS = 5-3 ]			
Mesentery		Mesothelioma Benign	
	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 4-23			
Note: [ MESOTHELIO BGN ] TGLs = 2-21			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 6-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Retina	Cataract	Moderate
Note: [ DEGEN ] TGLs = 1-21		Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-21			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 4-22			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Prostate		Inflammation	Suppurative, Mild
Stomach	Forestomach	Inflammation	Chronic, Minimal
Note: [ INFLAMMATION ] TGLs = 7-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			
Thymus		Cyst	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 101

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48131

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Epithel Cell

Thymoma Benign

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 3-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 4-8			
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-45975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow		Hypercellularity	Moderate
Brain		Glioma Nos	
Epididymis		Atrophy	Moderate
Liver		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Moderate
	Centrilobular	Necrosis	Mild
Note: [ FATTY CHANGE ] TGLs = 9-6			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Mesentery		Inflammation	Chronic, Moderate
		Mesothelioma Benign	
Note: [ MESOTHELIO BGN ] TGLs = 7-23, 8-7			
Note: [ INFLAMMATION ] TGLs = 10-5			
Preputial Gland		Degeneration	Cystic, Mild
Skeletal Muscle		Mesothelioma Benign	
[ Mesothelioma Benign TGLs = 4-22 ]			
Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLs = 1-21 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:14

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 104

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 600

**DOSE:** 0.3%

**DISP:** Natural Death

**HISTO:** 88-45975

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell  
Serosa

Adenoma  
Mesothelioma Benign

Note: [ MESOTHELIO BGN ] TGLs = 6-7

[ Adenoma TGLS = 5-7 ]

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-47068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Complex	
Note: [ PHEOCHROM CPLX ] TGLs = 7-21			
Kidney		Mesothelioma Malignant	
		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Mesothelioma Malignant	
Note: [ HDN ] TGLs = 8-22, 9-23			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Mesothelioma Malignant	
[ Hyperplasia TGLS = 12-2-1 ]			
Lymph Node	Mediastinal, Mesenteric	Mesothelioma Malignant	
	Mediastinal	Pigmentation	Moderate
Note: [ PIGMENT ] TGLs = 11-3			
Mesentery		Mesothelioma Malignant	
Note: [ MESOTHELIO MAL ] TGLs = 2-5			
Nose		Inflammation	Suppurative, Mild
Pancreas		Mesothelioma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:14  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 105	<b>TRT#:</b> 3 <b>DOSE:</b> 0.3%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 705 <b>HISTO:</b> 88-47068
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ MESOTHELIO MAL ] TGLs = 5-7, 6-7

Preputial Gland		Degeneration	Cystic, Mild
Prostate		Mesothelioma Malignant	
Seminal Vesicle		Mesothelioma Malignant	
Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
		Mesothelioma Malignant	
Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
Note: [ ADENOMA ] TGLs = 3-7, 4-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Mesothelioma Malignant	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:14

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 504

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Parathyroid Gland	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
[ Pheochromocytoma Malignant TGLS = 2-21 ]			
Kidney	Artery	Inflammation	Chronic, Mild
		Nephropathy	Mild
Liver		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Salivary Glands		Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 1-8-1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Moderate
		Hematopoietic Cell Proliferation	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-23, 6-24, 12-28			
Note: [ DEGEN ] TGLs = 7-25			
[ Fibrosis TGLS = 8-26 ]			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-22			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Skin		Basal Cell Carcinoma	
Note: [ BASAL CEL CARC ] TGLs = 1-21			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

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**ANIMAL ID:** 107

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48133

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Fibrosis

Mild

Hematopoietic Cell Proliferation

Moderate

Note: [ FIBROSIS ] TGLs = 9-27

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 630

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-46310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	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	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
		[ Hemorrhage TGLS = 5-1-1, 6-1-2 ]	
		[ Leukemia Mononuclear TGLS = 5-1-1, 6-1-2 ]	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Angiectasis	Mild
	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Note: [ ANGIECTASIS ] TGLs = 7-22	
Lung		Hemorrhage	Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Preputial Gland		Degeneration	Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 108

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 630

**DOSE:** 0.3%

**DISP:** Natural Death

**HISTO:** 88-46310

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Prostate

Inflammation

Suppurative, Mild

Spleen

Fibrosis

Marked

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-6, 4-21

Note: [ FIBROSIS ] TGLs = 4-21

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Tongue		Ectopic Tissue	Mild
Note: ECTOPIC TISSUE IS ABERRANT HAIR FOLLICLE.			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Moderate
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 3-21			
Lymph Node	Mediastinal	Angiectasis	Moderate
Note: [ ANGIECTASIS ] TGLs = 4-3			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Mild
Stomach	Glandular	Inflammation	Chronic, Mild
Note: [ INFLAMMATION ] TGLs = 6-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 1-7			
Note: [ DEGEN ] TGLs = 2-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 111

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 731

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48135

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Carcinoma

Note: [ CARCINOMA ] TGLs = 5-3

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
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	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Brain	Meninges	Hemorrhage	Mild
Note: [ HEMORRHAGE ] TGLs = 4-23			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-22			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 1-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 655

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46449

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Parathyroid Gland	Pituitary Gland	Prostate	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Thrombosis	Moderate
Note: [ THROMBUS ] TGLs = 5-22			
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Hyperplasia	Macrophage, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Carcinoma	
		Degeneration	Cystic, Mild
[ Carcinoma TGLS = 1-21 ]			
Salivary Glands		Adenoma	
Spleen		Hematopoietic Cell Proliferation	Marked
Note: [ HEMA CELL PROL ] TGLs = 4-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 113

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 655

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46449

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ DEGEN ] TGLs = 3-7

[ Adenoma TGLS = 2-7 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 618

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Complex	
Bone		Hyperostosis	Minimal
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1			
Lung	Mediastinum	Ectopic Tissue	
		Fibrosis	Focal, Mild
		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Note: ECTOPIC TISSUE IS PARATHYROID GLAND.			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Pancreas		Atrophy	Focal, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 114

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 618

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46311

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland		Degeneration	Cystic, Marked
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7, 6-7			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 704

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-47069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Intestine Small	Ileum	Inflammation	Chronic, Moderate
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mandibular	Cyst	Mild
[ Cyst TGLS = 1-8 ]			
Mesentery		Inflammation	Chronic, Moderate
Nose		Fungus	Mild
		Inflammation	Suppurative, Moderate
	Mucosa	Squamous Cell Carcinoma	
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked

Note: [ DEGEN ] TGLs = 2-7

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone Marrow		Leukemia Mononuclear	
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Degeneration	Cystic, Minimal
		Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-6			
Note: [ HEPATOCLR ADEN ] TGLs = 5-21			
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 4-2 ]			
[ Leukemia Mononuclear TGLS = 4-2 ]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 117

**TRT#:** 3

**DOSE:** 0.3%

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731

**HISTO:** 88-48138

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Preputial Gland

Degeneration

Cystic, Moderate

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

Thyroid Gland

C Cell

Hyperplasia

Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-21			
Lung	Alveolar Epith	Hyperplasia	Minimal
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45311

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver		Angiectasis	Mild
	Biliar Tract	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 5-21 [ Fibrosis TGLS = 4-6 ]			
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 1-8			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 120

**TRT#:** 3

**DOSE:** 0.3%

**SEX:** Male

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731

**HISTO:** 88-48140

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 121

TRT#: 5

SEX: Male

DAY ON TEST: 634

DOSE: 0.6%

DISP: Natural Death

HISTO: 88-46306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
		Congestion	Moderate
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Lymph Node	Mandibular	Angiectasis	Moderate
	Mediastinal	Angiectasis	Moderate
	Mandibular	Cyst	Moderate
Note: [ ANGIECTASIS ] TGLs = 4-3			
[ Angiectasis TGLS = 1-8 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8-1			
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 121

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 634

**DOSE:** 0.6%

**DISP:** Natural Death

**HISTO:** 88-46306

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45256

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-47032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Tongue

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Minimal
		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
Note: [ HEPATOCLR ADEN ] TGLs = 7-6			
Lung		Alveolar/Bronchiolar Adenoma	
Note: [ ALV BRON ADEN ] TGLs = 6-2			
Mammary Gland		Dilatation	Minimal
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 4-23			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Skel Muscle			
Note: SKELETAL MUSCLE IS ON SLIDE #9.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 123	<b>TRT#:</b> 5 <b>DOSE:</b> 0.6%	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 701 <b>HISTO:</b> 88-47032
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin	Subcut Tiss	Fibroma Keratoacanthoma
Note: [ FIBROMA ] TGLs = 3-22 Note: [ KERATOACANTHMA ] TGLs = 1-21		
Testes	Bilateral, Interstit Cell	Adenoma
Note: [ ADENOMA ] TGLs = 5-7		

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 641

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[ Degeneration TGLS = 8-23 ]			
[ Leukemia Mononuclear TGLS = 7-6 ]			
Lung	Alveolar Epith	Hyperplasia	Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 9-2 ]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8-1			
Prostate		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Fibroma	

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-45821

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	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Heart	Epicardium	Inflammation	Chronic, Mild
Note: [ INFLAMMATION ] TGLs = 6-5			
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Fibrosis	Focal, Mild
		Hyperplasia	Mild
		Inflammation	Focal, Mild
[ Fibrosis TGLS = 2-21 ]			
Mammary Gland		Dilatation	Mild
Nose	Mucosa	Inflammation	Suppurative, Marked
		Squamous Cell Carcinoma	
Note: [ SQUAM CEL CARC ] TGLs = 7-9, 7-9-1			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 724

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pituitary Gland  
Skeletal Muscle  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Skin  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Note: [ NEPHROPATHY ] TGLs = 7-5  
Liver  
Lung  
Note: [ HYPERPLASIA ] TGLs = 8-6  
[ Leukemia Mononuclear TGLs = 9-2 ]  
Lymph Node  
Nose  
Pancreas  
Note: [ ATROPHY ] TGLs = 6-7  
Preputial Gland

Medulla  
Medulla  
Centrilobular  
Biliar Tract  
Bile Duct  
Mesenteric

Hyperplasia  
Pheochromocytoma Benign  
Nephropathy  
Atrophy  
Degeneration  
Fatty Change  
Fibrosis  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Fungus  
Inflammation  
Atrophy  
Carcinoma  
Degeneration

Mild  
Moderate  
Mild  
Cystic, Mild  
Minimal  
Mild  
Mild  
Multifocal, Mild  
Minimal  
Suppurative, Mild  
Focal, Mild  
Cystic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 126

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48073

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ CARCINOMA ] TGLs = 1-8-1  
Spleen

Fibrosis  
Leukemia Mononuclear

Mild

Note: [ FIBROSIS ] TGLs = 5-21  
Note: [ LEUKEMIA MONUC ] TGLs = 4-6  
Testes

Bilateral, Interstit Cell  
Germinal Epith

Adenoma  
Degeneration

Moderate

Note: [ DEGEN ] TGLs = 2-7  
Note: [ ADENOMA ] TGLs = 3-7  
Thyroid Gland

C Cell

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 693

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
Pancreas	Acinar Cell	Hyperplasia	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Hyperplasia	Minimal
		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLS = 1-21 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

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

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Spleen  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla

Pheochromocytoma Benign  
Nephropathy  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Inflammation

Mild  
Minimal  
Mild  
Mild  
Multifocal, Mild  
Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 3-21

Preputial Gland

Note: [ DEGEN ] TGLs = 1-8

Prostate

Testes

Note: [ ADENOMA ] TGLs = 2-7

Thyroid Gland

Biliar Tract

Bile Duct

Degeneration

Inflammation

Adenoma

Adenoma

Cystic, Moderate

Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Spleen  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver  
  
Mesentery  
Note: [ NECROSIS ] TGLs = 2-21  
Pituitary Gland  
Preputial Gland  
Testes  
Note: [ ADENOMA ] TGLs = 1-7  
Thyroid Gland  
Note: [ CARCINOMA ] TGLs = 3-3

Cortex  
  
Biliar Tract  
  
Bile Duct  
  
Fat  
  
Pars Distalis  
  
Bilateral, Interstit Cell  
  
C Cell

Focal Cellular Change  
Nephropathy  
Degeneration  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Necrosis  
  
Focal Cellular Change  
Degeneration  
Adenoma  
  
Carcinoma

Minimal  
Mild  
Cystic, Minimal  
Mild  
Mild  
Minimal  
Mild  
Focal, Mild  
Moderate  
  
Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 699

DOSE: 0.6%

DISP: Natural Death

HISTO: 88-46944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Sarcoma	Metastatic (Uncertain Primary Site)
Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Angiectasis	Moderate
Note: [ ANGIECTASIS ] TGLs = 8-3			
Note: [ ANGIECTASIS ] TGLs = 6-5			
Mesentery		Sarcoma	Metastatic (Uncertain Primary Site)
Note: [ SARCOMA ] TGLs = 5-22			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 9-6			
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			
Tissue NOS	Pelvic	Sarcoma	Metastatic (Uncertain Primary Site)
Note: [ SARCOMA ] TGLs = 4-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Glandular	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Focal Cellular Change Pheochromocytoma Benign	Minimal
Kidney		Leukemia Mononuclear Nephropathy	Moderate
Liver	Biliar Tract Bile Duct	Degeneration Fibrosis Hyperplasia Hyperplasia Leukemia Mononuclear	Cystic, Mild Mild Mild Multifocal, Mild
	Note: [ LEUKEMIA MONUC ] TGLs = 7-6		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mesenteric	Leukemia Mononuclear Leukemia Mononuclear	
	Note: [ LEUKEMIA MONUC ] TGLs = 1-8		
Nose		Fungus Inflammation	Mild Suppurative, Mild
Pancreas	Acinar Cell	Atrophy Hyperplasia Degeneration	Focal, Minimal Mild Cystic, Moderate
Preputial Gland			
	Note: [ DEGEN ] TGLs = 2-8-1		
Prostate		Inflammation	Suppurative, Minimal
Spleen		Fibrosis Leukemia Mononuclear	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 132

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48077

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ FIBROSIS ] TGLs = 6-21			
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 8-4-1			
Testes	Interstit Cell Germinal Epith	Adenoma Degeneration	Marked
Note: [ ADENOMA ] TGLs = 4-7			
Note: [ DEGEN ] TGLs = 3-7			
Thymus		Cyst	Mild
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 1-3			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Zymbal's Gland		Carcinoma	
Note: CARCINOMA TGLs = 2-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 622

DOSE: 0.6%

DISP: Natural Death

HISTO: 88-46307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mandibular	Angiectasis	Mild
[ Angiectasis TGLS = 1-8 ]			
Mammary Gland		Dilatation	Minimal
Nose	Nasolacrim Dct	Cyst	Mild
		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Mild
Pharynx	Palate	Squamous Cell Carcinoma	
Note: [ SQUAM CEL CARC ] TGLs = 4-21			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8-1			
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Thrombosis	Moderate
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Focal, Minimal
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Moderate
Note: [ MESOTHELIO MAL ] TGLs = 5-21			
Note: [ NECROSIS ] TGLs = 5-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Vacuolization Cytoplasmic	Moderate
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			
Thyroid Gland		Fibrosis	Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Colon

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	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	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Note: [ INFLAMMATION ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 137

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48079

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 2-7

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PRIMARY CAUSE OF DEATH

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-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45258

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-7 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Skin	Subcut Tiss	Leiomyoma	
Note: [ LEIOMYOMA ] TGLs = 1-8			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Ear	Epididymis	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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 3-21			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Hyperplasia	Minimal
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Spleen  
Thyroid Gland

OBSERVATIONS

Kidney  
Liver  
  
Pancreas  
Preputial Gland  
Note: [ DEGEN ] TGLs = 1-8  
Testes

Biliar Tract  
Bile Duct

Bilateral, Interstit Cell

Nephropathy  
Fatty Change  
Fibrosis  
Hyperplasia  
Inflammation  
Atrophy  
Degeneration

Adenoma

Mild  
Minimal  
Minimal  
Minimal  
Focal, Minimal  
Focal, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pituitary Gland  
Skeletal Muscle  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Prostate  
Skin  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Cortex

Focal Cellular Change  
Nephropathy  
Degeneration  
Fatty Change

Minimal  
Mild  
Cystic, Mild

Biliar Tract

Fibrosis  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Minimal  
Minimal  
Mild  
Mild  
Multifocal, Mild

Bile Duct

[ Fatty Change TGLS = 2-21 ]

[ Leukemia Mononuclear TGLS = 4-22 ]

Lymph Node

Mandibular

Cyst  
Leukemia Mononuclear

Mild

Mandibular

Nose

Fungus  
Inflammation

Mild  
Suppurative, Mild

Pancreas

Atrophy

Focal, Mild

Preputial Gland

Degeneration

Cystic, Mild

Spleen

Leukemia Mononuclear

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-7

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 142

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48082

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Carcinoma

Note: [ CARCINOMA ] TGLs = 3-3

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 0.6%

DISP: Natural Death

HISTO: 88-46946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic	Parathyroid Gland
Pituitary Gland	Skeletal Muscle	Skin	Tongue
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-10			
Note: [ LEUKEMIA MONUC ] TGLs = 10-10			
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Epididymis		Leukemia Mononuclear	
Heart		Thrombosis	Moderate
Note: [ THROMBUS ] TGLs = 16-27			
Intestine Small	Ileum	Leukemia Mononuclear	
	Jejunum	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 15-4			
Note: [ LEUKEMIA MONUC ] TGLs = 14-26			
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Note: [ LEUKEMIA MONUC ] TGLs = 9-5			
Liver	Centrilobular	Atrophy	Marked
	Biliar Tract	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 18-2			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 683

DOSE: 0.6%

DISP: Natural Death

HISTO: 88-46946

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Axillary	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2-21		
Note: [ LEUKEMIA MONUC ]	TGLs = 12-24		
Note: [ LEUKEMIA MONUC ]	TGLs = 13-25		
Note: [ LEUKEMIA MONUC ]	TGLs = 1-8		
Mammary Gland		Dilatation	Moderate
		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Mild
Note: [ NECROSIS ]	TGLs = 6-22		
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 8-23		
Preputial Gland		Leukemia Mononuclear	
Prostate		Leukemia Mononuclear	
Salivary Glands		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 19-7		
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 7-6		
Stomach	Forestomach	Erosion	Minimal
	Glandular	Erosion	Minimal
	Forestomach	Inflammation	Chronic, Minimal
	Forestomach	Leukemia Mononuclear	
	Glandular, Mucosa	Pigmentation	Minimal
Note: [ EROSION ]	TGLs = 20-4-1		

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 143

**TRT#:** 5  
**DOSE:** 0.6%

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 683  
**HISTO:** 88-46946

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ EROSION ] TGLs = 21-4-2  
Testes

Bilateral, Interstit Cell  
Germinal Epith

Adenoma  
Degeneration  
Leukemia Mononuclear

Marked

Note: [ DEGEN ] TGLs = 5-7  
Note: [ ADENOMA ] TGLs = 4-7

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 17-3

Thyroid Gland

Leukemia Mononuclear

Urinary Bladder

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 697

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Moderate
		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-3			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Spleen		Developmental Malformation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 697

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46947

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Fibrosis

Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-6

[ Leukemia Mononuclear TGLS = 5-21 ]

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 5-5 ]			
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Moderate
[ Angiectasis TGLS = 4-3 ]			
Mammary Gland		Hyperplasia	Moderate
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
Note: [ ADENOMA ] TGLs = 2-8			
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48085

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pharynx	Palate	Squamous Cell Carcinoma	
Note: [ SQUAM CEL CARC ] TGLs = 2-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Marked
		Hemorrhage	Marked
Note: [ DILATATION ] TGLs = 1-21			
Note: [ HEMORRHAGE ] TGLs = 1-21			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-22			
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-21			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
Note: [ ADENOMA ] TGLs = 2-7			
Note: [ DEGEN ] TGLs = 3-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 151

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 710

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48088

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 4-22			
Nose		Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-21			
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 633

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 8-10			
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Note: [ LEUKEMIA MONUC ] TGLs = 10-3			
[ Leukemia Mononuclear TGLS = 6-24 ]			
[ Leukemia Mononuclear TGLS = 11-23 ]			
Mesentery		Leukemia Mononuclear	
Pituitary Gland		Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 153

**TRT#:** 5  
**DOSE:** 0.6%

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 633  
**HISTO:** 88-46308

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland Note: [ DEGEN ] TGLs = 2-8-1		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Leukemia Mononuclear Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 4-6 Note: [ NECROSIS ] TGLs = 5-21			
Testes Note: [ ADENOMA ] TGLs = 3-7	Bilateral, Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-21			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Adenoma	
		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Note: [ ADENOMA ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 154

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48090

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-21, 5-22			
Pituitary Gland		Cyst	Mild
Preputial Gland		Adenoma	
		Degeneration	Cystic, Moderate
Note: [ ADENOMA ] TGLs = 1-8			
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 4-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 155

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48091

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-21			
Note: [ DEGEN ] TGLs = 1-21			
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
Parathyroid Gland		Hyperplasia	Minimal
Pituitary Gland	Rathkes Cleft	Hyperplasia	Cystic, Moderate
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46448

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mammary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Minimal
	Medulla	Fibrosis	Mild
	Cortex	Focal Cellular Change	Mild
	Medulla	Mineralization	Mild
	Cortex	Vacuolization Cytoplasmic	Mild
Note: [ FOCAL CELL CH ] TGLs = 10-24			
Note: [ VACUOLIZ CYTO ] TGLs = 10-24			
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Note: [ LEUKEMIA MONUC ] TGLs = 12-6		
Note: [ FOCAL CELL CH ] TGLs = 13-25			
Note: [ HDN ] TGLs = 19-30			
Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 157

TRT#: 5

DOSE: 0.6%

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 658

HISTO: 88-46448

ORGAN AND ACCOUNTABLE SITE STATUS

Deep Cervical	Leukemia Mononuclear
Iliac	Leukemia Mononuclear
Inguinal	Leukemia Mononuclear
Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Renal	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-21

Note: [ LEUKEMIA MONUC ] TGLs = 2-8

[ Leukemia Mononuclear TGLS = 16-28 ]

[ Leukemia Mononuclear TGLS = 17-3 ]

[ Leukemia Mononuclear TGLS = 14-26 ]

[ Leukemia Mononuclear TGLS = 15-27 ]

[ Leukemia Mononuclear TGLS = 18-29 ]

[ Leukemia Mononuclear TGLS = 3-22 ]

Nose

Fungus

Minimal

Inflammation

Suppurative, Minimal

Pancreas

Atrophy

Focal, Mild

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

Preputial Gland

Degeneration

Cystic, Moderate

Note: [ DEGEN ] TGLs = 4-8-1, 5-8-1

Prostate

Inflammation

Suppurative, Minimal

Seminal Vesicle

Leukemia Mononuclear

Spleen

Fibrosis

Minimal

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-6-1

Note: [ FIBROSIS ] TGLs = 9-23

Stomach

Glandular

Inflammation

Chronic, Mild

Glandular

Ulcer

Mild

Testes

Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 157

**TRT#:** 5  
**DOSE:** 0.6%

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 658  
**HISTO:** 88-46448

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Germinal Epith

Degeneration

Marked

Note: [ ADENOMA ] TGLs = 6-7-1

Note: [ DEGEN ] TGLs = 7-7

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45261

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

**MISSING**

Mammary Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Urethra	Bulboureth GI	Dilatation	Marked

Note: DILATATION TGLs = 1-21

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Lung		Granuloma	Minimal
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-7 ]			
Thyroid Gland	C Cell	Carcinoma	
[ Hyperplasia TGLS = 3-3 ]	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	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	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-6 ]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-5 ]			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 2-21			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-6 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 161

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48094

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Carcinoma TGLS = 6-3 ]

Tongue

Mucosa

Hyperplasia

Mild

Note: [ HYPERPLASIA ] TGLs = 7-22

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
		Angiectasis	Mild
Lymph Node	Mediastinal		
Note: ANGIECTASIS TGLs = 2-3			
Nose		Inflammation	Suppurative, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8-1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 5-22			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 4-21			
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 3-7			
Note: [ DEGEN ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Mesentery		Mesothelioma Benign	
	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 4-21			
Note: [ MESOTHELIO BGN ] TGLs = 5-22			
Nose		Inflammation	Suppurative, Mild
Pancreas	Acinar Cell	Adenoma	
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland		Cyst	Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8, 2-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 7-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 164

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48096

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 6-7

Tissue NOS

Thoracic

Mesothelioma Benign

Thoracic

Metaplasia

Osseous, Mild

Note: [ MESOTHELIO BGN ] TGLs = 8-23

Note: [ METAPL ] TGLs = 8-23

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 710

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
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
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
Note: [ HEPATOCLR ADEN ] TGLs = 5-23			
Note: [ HYPERPLASIA ] TGLs = 4-22			
Lung		Leukemia Mononuclear	
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Marked
Prostate		Inflammation	Suppurative, Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-21, 3-6			
[ Leukemia Mononuclear TGLS = 2-21 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 165

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 710

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48097

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 4-21			
Preputial Gland		Degeneration	Cystic, Marked
		Inflammation	Chronic, Marked
Note: [ INFLAMMATION ] TGLs = 1-8			
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Mild
Stomach	Glandular	Hyperplasia	Lymphoid, Mild
[ Hyperplasia TGLs = 3-4-1 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 167

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 458

**DOSE:** 0.6%

**DISP:** Scheduled Sacrifice

**HISTO:** 87-45304

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Pituitary Gland

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 491

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-45520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Intestine Large  
Kidney  
Liver  
Pancreas  
Preputial Gland  
Testes

Rectum

Parasite Metazoan  
Nephropathy  
Inflammation  
Atrophy  
Degeneration  
Adenoma

Minimal  
Mild  
Focal, Minimal  
Focal, Minimal  
Cystic, Minimal

Bilateral, Interstit Cell

[ Adenoma TGLS = 1-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-22, 7-23			
Note: [ HDN ] TGLs = 2-21			
Lung	Alveolar Epith	Hemorrhage	Moderate
		Hyperplasia	Moderate
[ Hemorrhage TGLS = 4-2-1 ]			
[ Hyperplasia TGLS = 4-2-1 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
Note: [ DEGEN ] TGLs = 6-8			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 169

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48099

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 1-7  
Thyroid Gland

C Cell  
Follicular Cel

Adenoma  
Hyperplasia

Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45305

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 2-21, 4-22, 5-23			
Mammary Gland		Fibrosis	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 3-21			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-22			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Hyperplasia	Macrophage, Minimal
[ Hyperplasia TGLS = 4-2-1 ]			
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 87-45263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
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	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Marked
	Biliar Tract	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: ATROPHY TGLs = 3-6			
Note: LEUKEMIA MONUC TGLs = 3-6			
[ Leukemia Mononuclear TGLs = 4-21 ]			
Lung		Hemorrhage	Mild
		Hyperplasia	Macrophage, Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE TGLs = 6-2,6-2-1			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-3			
Note: LEUKEMIA MONUC TGLs = 5-5			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 457

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 87-45263

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesentery		Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-6		
Stomach	Forestomach	Edema	Moderate
	Glandular	Erosion	Minimal
	Forestomach	Inflammation	Chronic, Minimal
	Forestomach	Ulcer	Minimal
Note: ULCER	TGLs = 9-4		
Note: EROSION	TGLs = 10-4		
Testes	Interstit Cell	Adenoma	
Thymus		Depletion Cellular	Mild
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 458

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 2-8			
Salivary Glands		Atrophy	Focal, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
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
Pancreas	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Compression	Mild
[ Compression TGLS = 7-1 ]			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ FOCAL CELL CH ] TGLs = 4-22, 5-23			
Mammary Gland		Dilatation	Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-1			
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 175

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48102

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ FIBROSIS ] TGLs = 2-21

Note: [ LEUKEMIA MONUC ] TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 8-7

Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
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	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Cortex	Focal Cellular Change	Mild
Note: [ CONGESTION ] TGLs = 7-10			
Brain		Hemorrhage	Marked
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12-1, 13-1			
[ Leukemia Mononuclear TGLS = 12-1, 13-1 ]			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 9-6			
Lung		Hemorrhage	Minimal
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-8 ]			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46949

ORGAN AND ACCOUNTABLE SITE STATUS

[ Leukemia Mononuclear TGLS = 10-3 ]

Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 8-23			
Pancreas	Acinar Cell	Atrophy	Focal, Minimal
		Hyperplasia	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Skin	Epidermis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 14-24			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Note: [ NECROSIS ] TGLs = 4-21			
[ Necrosis TGLS = 5-22 ]			
Stomach	Glandular	Edema	Mild
	Glandular	Erosion	Minimal
	Forestomach, Mucosa	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 2-21			
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 177

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48103

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Interstit Cell

Adenoma

Thyroid Gland

C Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROMOCYTOMA MAL CONTAINS NEUROBLASTOMATOUS AREAS. [ Pheochromocytoma Malignant TGLS = 4-21 ]			
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Degeneration	Cystic, Minimal
		Fibrosis	Mild
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 3-7			
Note: [ DEGEN ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 644

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-10			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-3 [ Leukemia Mononuclear TGLS = 3-8 ]			
Mammary Gland		Dilatation	Mild
Nose		Fungus	Minimal
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 179

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 644

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46408

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-7

Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-5			
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 6-22			
Pancreas	Acinar Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Marked
		Inflammation	Chronic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Note: [ INFLAMMATION ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 180

**TRT#:** 5

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48105

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ CARCINOMA ] TGLs = 4-3

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 181

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45245

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 724

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
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	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6, 7-6			
Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 8-21 ]			
[ Leukemia Mononuclear TGLS = 5-2 ]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[ Adenoma TGLS = 6-1 ]			
[ Leukemia Mononuclear TGLS = 6-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 182

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47537

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1			
Testes	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 1-7			
Thymus		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 644

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
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	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Brain		Compression	Marked
[ Compression TGLS = 5-1 ]			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Hemorrhage	Mild
Note: [ HEMORRHAGE ] TGLs = 3-2-1			
Pancreas		Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-1			
Preputial Gland		Degeneration	Cystic, Marked
		Inflammation	Chronic, Marked
Note: [ INFLAMMATION ] TGLs = 1-8-1			
Note: [ DEGEN ] TGLs = 1-8-1			
Prostate		Inflammation	Suppurative, Moderate
		Vacuolization Cytoplasmic	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 686

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-46941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	Esophagus	Islets, Pancreatic	Mammary Gland
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Tongue	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Pituitary Gland	Thymus
Thyroid Gland			

OBSERVATIONS

Heart		Thrombosis	Marked
Note: [ THROMBUS ] TGLs = 5-21			
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Marked
	Bile Duct	Hyperplasia	Marked
		Hyperplasia	Multifocal, Mild
	Centrilobular	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-6		Necrosis	Mild
Lung		Hyperplasia	Macrophage, Mild
		Leukemia Mononuclear	
Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
Preputial Gland		Degeneration	Cystic, Moderate
Skin		Squamous Cell Papilloma	
Note: [ PAPILOMA SQUA ] TGLs = 9-22			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 184	<b>TRT#:</b> 7 <b>DOSE:</b> 1.2%	<b>SEX:</b> Male <b>DISP:</b> Natural Death	<b>DAY ON TEST:</b> 686 <b>HISTO:</b> 88-46941
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Edema	Mild
	Glandular	Erosion	Mild
	Glandular	Pigmentation	Mild
Note: [ PIGMENT ] TGLs = 7-4, 7-4-1			
Note: [ EROSION ] TGLs = 7-4, 7-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ ADENOMA ] TGLs = 2-7			
Note: [ DEGEN ] TGLs = 3-7			

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Nervosa	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Minimal
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	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
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 4-10			
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
Preputial Gland		Degeneration	Cystic, Mild
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-21			
Spleen		Fibrosis	Marked
Note: [ FIBROSIS ] TGLs = 2-22			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7-1			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 186

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47539

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Prostate  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney

Medulla

Hyperplasia  
Cyst  
Nephropathy

Minimal  
Moderate  
Mild

Note: [ CYST ] TGLs = 3-5-1

Liver

Biliar Tract  
Bile Duct

Degeneration  
Fibrosis  
Hyperplasia  
Inflammation

Cystic, Mild  
Mild  
Mild

Lung  
Pancreas

Acinar Cell

Inflammation  
Atrophy

Focal, Minimal  
Chronic, Minimal  
Focal, Minimal

Preputial Gland  
Testes

Bilateral, Interstit Cell  
Germinal Epith

Hyperplasia  
Degeneration  
Adenoma  
Degeneration

Mild  
Cystic, Moderate  
Marked

Note: [ DEGEN ] TGLs = 2-7-1

Note: [ ADENOMA ] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45246

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lung		Alveolar/Bronchiolar Adenoma	
		Hemorrhage	Mild
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Mild
Spleen		Fibrosis	Minimal
Note: FIBROSIS TGLs = 2-6-1			
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Moderate
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-22			
Mesentery	Fat	Necrosis	Minimal
Note: [ NECROSIS ] TGLs = 2-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 2-21			
Preputial Gland		Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Pancreas
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Colon	Parasite Metazoan	Minimal
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ] TGLs = 5-23			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 4-22, 6-24			
[ Hyperplasia TGLs = 4-22 ]			
Mammary Gland		Dilatation	Minimal
Mesentery	Fat	Necrosis	Minimal
Note: [ NECROSIS ] TGLs = 3-21			
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 192

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47544

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 3-5 ]			
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Ear		Inflammation	Suppurative, Marked
Note: INFLAMMATION	TGLs = 4-21		
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ]	TGLs = 2-8		
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: ADENOMA	TGLs = 3-7		
Zymbal's Gland		Dilatation	Mild

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 4-21 [ Fibrosis TGLS = 3-6 ]			
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Moderate
Preputial Gland		Adenoma	
		Degeneration	Cystic, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Moderate
	Biliar Tract	Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ HEPATOCLR ADEN ] TGLs = 7-22			
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Lung	Mediastinum	Cyst	Mild
		Leukemia Mononuclear	
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Pharynx	Palate	Squamous Cell Papilloma	
Note: [ PAPILOMA SQUA ] TGLs = 8-23			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 196

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47547

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ FIBROSIS ] TGLs = 5-21

Note: [ LEUKEMIA MONUC ] TGLs = 4-6

Testes

Interstit Cell

Adenoma

Germinal Epith

Degeneration

Marked

Note: [ DEGEN ] TGLs = 3-7

Note: [ ADENOMA ] TGLs = 2-7

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 197

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 9-23			
Lung		Alveolar/Bronchiolar Adenoma	Four, Multiple
	Alveolar Epith	Hyperplasia	Moderate
Note: [ ALV BRON ADEN ] TGLs = 7-2-1, 8-2-1			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-21			
Pancreas		Atrophy	Focal, Moderate
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Dilatation	Marked
		Inflammation	Suppurative, Mild
Note: [ DILATATION ] TGLs = 5-7-1			
Seminal Vesicle		Dilatation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 197

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47548

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ DILATATION ] TGLs = 4-7

Spleen

Fibrosis

Mild

Note: [ FIBROSIS ] TGLs = 6-22

Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Degeneration

Marked

Note: [ ADENOMA ] TGLs = 1-7

Note: [ DEGEN ] TGLs = 2-7

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45248

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood Vessel	Artery, Thoracic	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 5-23			
Mesentery		Lipoma	
Note: [ LIPOMA ] TGLs = 2-21			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 4-22			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-7			
Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 199

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47549

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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C Cell

Hyperplasia

Mild

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 200

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
  
Kidney  
Liver

Medulla  
Medulla  
  
Biliar Tract  
  
Bile Duct  
  
Mesenteric  
Mesenteric

Hyperplasia  
Pheochromocytoma Benign  
Nephropathy  
Degeneration  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Hyperplasia  
Cyst  
Hyperplasia

Minimal  
  
Mild  
Cystic, Minimal  
Minimal  
Mild  
Mild  
Mild  
Focal, Minimal  
Lymphoid, Minimal  
Marked  
Moderate

Note: [ CYST ] TGLs = 5-5  
Mammary Gland

Dilatation  
Hyperplasia

Moderate  
Minimal

Note: [ DILATATION ] TGLs = 1-21  
Mesentery

Fat

Necrosis

Moderate

Note: [ NECROSIS ] TGLs = 4-22  
Pancreas

Pituitary Gland

Pars Distalis

Atrophy  
Adenoma

Focal, Mild

[ Adenoma TGLS = 6-1 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 200

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47550

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Preputial Gland

Degeneration

Cystic, Moderate

Note: [ DEGEN ] TGLs = 2-8

Prostate

Hyperplasia

Minimal

Inflammation

Suppurative, Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 201

TRT#: 7

SEX: Male

DAY ON TEST: 630

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-46302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Pituitary Gland
Prostate	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Urinary Bladder			

MISSING

Lymph Node - Mandibular	Parathyroid Gland	Salivary Glands	Thyroid Gland
Trachea			

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Mild
Skin			
Note: SKIN MASS MISSING AT NECROPSY; PROBABLY CANNIBALIZED.			
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 3-7			
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45249

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Nose		Foreign Body	Minimal
		Inflammation	Suppurative, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 2-21			
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 431

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 87-45250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pituitary Gland  
Skin  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Salivary Glands  
Stomach - Forestomach  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Pancreas  
Seminal Vesicle  
Stomach - Glandular

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Parathyroid Gland  
Skeletal Muscle  
Thyroid Gland

OBSERVATIONS

Bone Marrow  
Kidney  
Liver  
  
[ Fibrosis TGLS = 7-6 ]  
[ Hyperplasia TGLS = 8-24 ]

Centrilobular  
Biliar Tract  
Bile Duct

Leukemia Mononuclear  
Nephropathy  
Atrophy  
Fibrosis  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Mild  
Minimal  
Minimal  
Moderate  
Multifocal, Mild

Lung  
Lymph Node

Deep Cervical  
Iliac  
Inguinal  
Mandibular  
Mediastinal  
Mesenteric  
Pancreatic

Leukemia Mononuclear  
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-23  
Note: LEUKEMIA MONUC TGLs = 2-8  
Note: LEUKEMIA MONUC TGLs = 9-5  
Note: LEUKEMIA MONUC TGLs = 10-25  
Note: LEUKEMIA MONUC TGLs = 11-3

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 204

TRT#: 7

SEX: Male

DAY ON TEST: 431

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 87-45250

ORGAN AND ACCOUNTABLE SITE STATUS

[ Leukemia Mononuclear TGLs = 13-27 ]

Mammary Gland

Hyperplasia

Mild

Note: HYPERPLASIA TGLs = 1-21

Mesentery

Leukemia Mononuclear

Fat

Necrosis

Moderate

Note: NECROSIS TGLs = 4-22

Nose

Fungus

Mild

Inflammation

Suppurative, Mild

Preputial Gland

Degeneration

Cystic, Moderate

Prostate

Inflammation

Suppurative, Minimal

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-6-1

Testes

Bilateral, Interstit Cell

Adenoma

Note: ADENOMA TGLs = 3-7

Thymus

Leukemia Mononuclear

Tongue

Squamous Cell Carcinoma

Note: SQUAM CEL CARC TGLs = 12-26

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Moderate
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Minimal
		Inflammation	Focal, Mild
Note: [ DEGEN ] TGLs = 4-21			
Note: [ FOCAL CELL CH ] TGLs = 4-21			
Note: [ HYPERPLASIA ] TGLs = 5-22			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 205

**TRT#:** 7  
**DOSE:** 1.2%

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 729  
**HISTO:** 88-47552

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Tooth	Follicular Cel	Hyperplasia	Minimal
	Incisor	Dysplasia	Minimal
	Incisor	Inflammation	Suppurative, Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 206

TRT#: 7

SEX: Male

DAY ON TEST: 638

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Prostate  
Skin  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Salivary Glands  
Spleen  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Kidney  
  
Note: [ SQUAM CEL CARC ] TGLs = 3-21

Nephropathy  
Squamous Cell Carcinoma  
  
Mild  
Metastatic (Uncertain Primary Site)

Liver  
  
Biliar Tract  
Bile Duct  
  
Lung  
Note: [ SQUAM CEL CARC ] TGLs = 4-2, 5-2-1

Degeneration  
Fibrosis  
Hyperplasia  
Inflammation  
Squamous Cell Carcinoma  
  
Cystic, Minimal  
Mild  
Mild  
Focal, Minimal  
Metastatic (Uncertain Primary Site)

Mammary Gland  
Preputial Gland  
Note: [ DEGEN ] TGLs = 1-8-1  
Stomach  
Note: [ HYPERPLASIA ] TGLs = 6-4-1  
Testes  
Note: [ ADENOMA ] TGLs = 2-7

Dilatation  
Degeneration  
  
Hyperplasia  
  
Adenoma  
  
Mild  
Cystic, Moderate  
  
Minimal

Forestomach, Mucosa  
  
Bilateral, Interstit Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45251

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ HDN ] TGLs = 3-21			
Note: [ FOCAL CELL CH ] TGLs = 4-22			
Pancreas	Acinar Cell	Hyperplasia	Moderate
Preputial Gland		Degeneration	Cystic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7, 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 584

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Seminal Vesicle  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Pancreas  
Spleen  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Eye  
  
Note: EYE: CORNEA IS ULCERATED.  
Note: [ NECROSIS ] TGLs = 1-21  
Note: [ INFLAMMATION ] TGLs = 1-21  
  
Kidney  
Liver  
  
Lymph Node  
  
Note: [ HYPERPLASIA ] TGLs = 7-3  
Note: [ SARCOMA ] TGLs = 4-8  
  
Mesentery  
  
Note: [ NECROSIS ] TGLs = 6-22  
  
Nose  
  
Preputial Gland  
  
Note: [ DEGEN ] TGLs = 2-8-1, 3-8-1  
  
Prostate  
Salivary Glands  
Skeletal Muscle

Cornea  
  
  
  
Biliar Tract  
Bile Duct  
Mediastinal  
Mandibular  
  
Fat

Inflammation  
Necrosis  
  
  
Nephropathy  
Fibrosis  
Hyperplasia  
Hyperplasia  
Sarcoma  
  
Necrosis  
  
Fungus  
Inflammation  
Degeneration  
  
Inflammation  
Sarcoma  
Sarcoma

Chronic, Marked  
Marked  
  
  
Minimal  
Minimal  
Mild  
Mild  
Metastatic (Uncertain Primary Site)  
  
Moderate  
  
Mild  
Suppurative, Marked  
Cystic, Moderate  
  
Suppurative, Mild  
Metastatic (Uncertain Primary Site)  
Metastatic (Uncertain Primary Site)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 209

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 584

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45782

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ SARCOMA ] TGLs = 9-23			
Skin	Subcut Tiss	Sarcoma	Metastatic (Uncertain Primary Site)
Note: [ SARCOMA ] TGLs = 10-24, 11-25			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5-7			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 8-3			
Tissue NOS	Cranial	Sarcoma	Metastatic (Uncertain Primary Site)
Note: [ SARCOMA ] TGLs = 9, 9-1			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 539

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45681

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Skin	Subcut Tiss	Fibrosarcoma	
[ Fibrosarcoma TGLS = 1-21 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	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
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 6-24			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-22			
Pancreas		Atrophy	Focal, Minimal
		Focal Cellular Change	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Marked
Note: [ DEGEN ] TGLs = 3-8-1			
Note: [ INFLAMMATION ] TGLs = 3-8-1			
Prostate		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Fibrosarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 211

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47554

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ FIBROSARC ] TGLs = 5-23

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Epididymis
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	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Bone Marrow		Hypocellularity	Moderate
Brain		Compression	Marked
[ Compression TGLS = 5-1 ]			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-5			
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
		Dilatation	Marked
Mammary Gland			
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 7-23			
Note: [ HEPATOCLR ADEN ] TGLs = 6-22			
Lymph Node	Mesenteric	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 5-5			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8-1			
Prostate		Inflammation	Suppurative, Minimal
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-21			
Stomach	Forestomach	Basal Cell Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 213

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47555

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ BASAL CEL ADEN ] TGLs = 8-24

Testes

Bilateral, Interstit Cell

Adenoma

Germinal Epith

Degeneration

Mild

Note: [ DEGEN ] TGLs = 3-7

Note: [ ADENOMA ] TGLs = 4-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45252

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pituitary Gland		Cyst	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Medulla	Hyperplasia	Minimal
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Cyst	Moderate
Pancreas	Acinar Cell	Adenoma	
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Hyperplasia	Histiocytic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 7-22 [ Hyperplasia TGLS = 5-6 ]			
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Minimal
Salivary Glands		Dilatation	Moderate
Note: [ DILATATION ] TGLs = 1-8			
Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6 Note: [ FIBROSIS ] TGLs = 6-21			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 216

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47557

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Germinal Epith

Degeneration

Marked

Note: [ ADENOMA ] TGLs = 2-7

Note: [ DEGEN ] TGLs = 3-7

Thyroid Gland

C Cell

Adenoma

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 3-21			
Note: [ FATTY CHANGE ] TGLs = 3-21			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Preputial Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 1-8			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Seminal Vesicle  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Lung  
Parathyroid Gland  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Prostate  
Skin  
Thymus

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Spleen  
Tongue

OBSERVATIONS

Adrenal Gland  
Intestine Small

Cortex  
Jejunum  
Jejunum, Mucosa  
Jejunum  
Jejunum

Accessory Adrenal Cortical Nodule  
Diverticulum  
Dysplasia  
Inflammation  
Metaplasia

Mild  
Moderate  
Moderate  
Chronic, Moderate  
Osseous, Moderate

Note: [ DIVERTICULUM ] TGLs = 2-21

Kidney  
Liver

Biliar Tract  
Bile Duct

Nephropathy  
Fatty Change  
Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Mild  
Mild  
Minimal  
Mild  
Multifocal, Mild  
Focal, Minimal

Note: [ HYPERPLASIA ] TGLs = 3-22

Mammary Gland  
Nose

Mucosa  
Pars Distalis

Dilatation  
Fungus  
Inflammation  
Metaplasia  
Adenoma  
Degeneration

Mild  
Mild  
Suppurative, Mild  
Squamous, Mild  
Cystic, Moderate

Note: [ DEGEN ] TGLs = 1-8

Testes

Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 218

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 729

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47559

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 4-7

Thyroid Gland

C Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Intestine Small	Ileum	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-22			
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ FATTY CHANGE ] TGLs = 3-6			
Lymph Node	Mesenteric	Cyst	Marked
	Mesenteric	Leukemia Mononuclear	
Note: [ CYST ] TGLs = 4-21			
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
[ Inflammation TGLS = 2-22 ]			
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS TGLs = 1-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
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
Pancreas	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Medulla	Hyperplasia	Mild
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Dilatation	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
		Degeneration	Cystic, Moderate
Preputial Gland			
Note: [ DEGEN ] TGLs = 1-8			
Prostate		Inflammation	Suppurative, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:15  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 221

**TRT#:** 7  
**DOSE:** 1.2%

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 730  
**HISTO:** 88-47561

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Moderate
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
Note: [ HYPERPLASIA ] TGLs = 5-22, 7-24			
Note: [ FOCAL CELL CH ] TGLs = 4-21			
Lung		Hyperplasia	Macrophage, Moderate
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 6-23 ]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Preputial Gland		Degeneration	Cystic, Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Seminal Vesicle  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla  
  
Biliar Tract  
  
Bile Duct

Pheochromocytoma Benign  
Nephropathy  
Degeneration  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation

Mild  
Cystic, Minimal  
Mild  
Mild  
Mild  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 3-21

Pancreas  
Preputial Gland

Note: [ DEGEN ] TGLs = 1-8

Prostate

Testes

Note: [ ADENOMA ] TGLs = 2-7

Atrophy  
Degeneration

Focal, Mild  
Cystic, Moderate

Inflammation

Suppurative, Minimal

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 715

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Stomach - Forestomach	Stomach - Glandular	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Moderate
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 5-22, 6-23, 7-24			
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibrosis	Mild
		Hyperplasia	Mild
Preputial Gland		Degeneration	Cystic, Moderate
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-21			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 224

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 715

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47564

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Testes Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-7

Thymus Leukemia Mononuclear

Thyroid Gland C Cell Adenoma

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Islets, Pancreatic		Carcinoma	
Note: [ CARCINOMA ] TGLs = 5-22			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Prostate		Inflammation	Suppurative, Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 4-21			
[ Leukemia Mononuclear TGLS = 3-6 ]			
Stomach	Glandular	Edema	Mild
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 573

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Brain		Oligodendroglioma Malignant	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Hyperplasia	Macrophage, Minimal
Lymph Node	Mediastinal	Angiectasis	Moderate
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 4-21			
Kidney		Nephropathy	Moderate
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 8-24			
[ Hyperplasia TGLS = 6-22 ]			
Lung		Hemorrhage	Minimal
Note: [ HEMORRHAGE ] TGLs = 7-23			
Pancreas		Atrophy	Focal, Minimal
	Acinar Cell	Hyperplasia	Mild
Preputial Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Marked
Note: [ INFLAMMATION ] TGLs = 1-8-1			
Note: [ DEGEN ] TGLs = 2-8-1			
Stomach	Forestomach, Mucosa	Hyperplasia	Minimal
[ Hyperplasia TGLS = 5-4-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 227

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47565

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Medulla	Pheochromocytoma Malignant	
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
[ Focal Cellular Change TGLS = 5-22, 6-23, 7-24 ]			
Mammary Gland		Dilatation	Moderate
		Hemorrhage	Moderate
Note: [ DILATATION ] TGLs = 1-25, 3-21			
Note: [ HEMORRHAGE ] TGLs = 3-21			
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Prostate		Inflammation	Suppurative, Minimal
Stomach	Forestomach	Squamous Cell Papilloma	
Note: [ PAPILLOMA SQUA ] TGLs = 8-26			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 228

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47566

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 631

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mammary Gland
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Intestine Large Note: [ CYST ] TGLs = 5-21	Colon	Cyst	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Focal Cellular Change	Minimal
		Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Lymph Node	Mesenteric	Angiectasis	Mild
	Deep Cervical	Carcinoma	Metastatic (Zymbal'S Gland)
	Mandibular	Carcinoma	Metastatic (Zymbal'S Gland)
Note: [ CARCINOMA ] TGLs = 2-8			
Note: [ ANGIECTASIS ] TGLs = 4-5			
Note: [ CARCINOMA ] TGLs = 6-22			
Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
	Mucosa	Squamous Cell Carcinoma	
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8-1			
Prostate		Inflammation	Suppurative, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 229

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46305

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ HEMA CELL PROL ] TGLs = 3-6

Testes

Bilateral, Interstit Cell

Adenoma

Zymbal's Gland

Carcinoma

Note: [ CARCINOMA ] TGLs = 7-23

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Heart	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	Parathyroid Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain	Meninges	Hemorrhage	Mild
Note: [ HEMORRHAGE ] TGLs = 8-22			
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Cyst	Mild
		Nephropathy	Moderate
Note: [ CYST ] TGLs = 5-5			
Liver	Biliar Tract	Fatty Change	Minimal
		Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 6-21			
Pancreas		Atrophy	Focal, Mild
		Focal Cellular Change	Mild
Pituitary Gland		Angiectasis	Minimal
[ Angiectasis TGLs = 9-1 ]			
Preputial Gland		Adenoma	
		Degeneration	Cystic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 230

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 730

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47567

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ DEGEN ] TGLs = 1-8-1

Note: [ ADENOMA ] TGLs = 1-8-1

Testes

Interstit Cell

Adenoma

Germinal Epith

Degeneration

Marked

Note: [ ADENOMA ] TGLs = 2-7

Note: [ DEGEN ] TGLs = 3-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45254

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Mild
Prostate		Inflammation	Suppurative, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 724

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Brain	Epididymis	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
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone	Trabecula	Proliferation	Mild
Bone Marrow		Myelofibrosis	Marked
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Minimal
		Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Prostate		Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Hyperplasia	Histiocytic, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 232

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47568

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 501

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-45543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Epididymis	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	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Tongue
Trachea	Urinary Bladder		

MISSING

Pituitary Gland

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Eye	Retrolbulbar	Inflammation	Suppurative, Moderate
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-7			
Preputial Gland		Degeneration	Cystic, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Stomach	Forestomach	Erosion	Minimal
	Glandular	Erosion	Minimal
Note: [ EROSION ] TGLs = 7-21			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:15

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 233

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 501

**DOSE:** 1.2%

**DISP:** Natural Death

**HISTO:** 88-45543

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ EROSION ] TGLs = 8-22

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-7

Thymus

Leukemia Mononuclear

Thyroid Gland

Pigmentation

Minimal

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:15

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Mammary Gland		Dilatation	Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Mild
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-21			
Mesentery		Inflammation	Chronic, Mild
Pancreas		Atrophy	Focal, Mild
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
Note: [ CARCINOMA ] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	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 - Glandular	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Mild
Stomach	Forestomach	Inflammation	Chronic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 546

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Brain	Epididymis
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	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 3-5			
Liver	Centrilobular	Atrophy	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Preputial Gland		Degeneration	Cystic, Minimal
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Intestine Small - Jejunum

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Moderate
Preputial Gland		Degeneration	Cystic, Moderate
Spleen		Fibrosis	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Thrombosis	Moderate
Note: [ THROMBUS ] TGLs = 6-24			
Kidney		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 4-22			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-21			
Pancreas		Focal Cellular Change	Minimal
Preputial Gland		Degeneration	Cystic, Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Marked
Note: [ DEGEN ] TGLs = 2-7			
Note: [ ADENOMA ] TGLs = 1-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Nose
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
		[ Hemorrhage TGLS = 7-1 ]	
		[ Leukemia Mononuclear TGLS = 7-1 ]	
Heart		Dilatation	Moderate
		Leukemia Mononuclear	
		Note: [ DILATATION ] TGLs = 8-5-1	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
	Biliar Tract	Fibrosis	Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		Note: [ LEUKEMIA MONUC ] TGLs = 6-6	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
		Note: [ LEUKEMIA MONUC ] TGLs = 4-5	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46406

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 5-21			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland		Leukemia Mononuclear	
Preputial Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 9-8-1			
Prostate		Inflammation	Suppurative, Minimal
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1			
Stomach	Glandular	Erosion	Mild
	Forestomach, Mucosa	Hyperplasia	Mild
	Glandular	Pigmentation	Mild
	Forestomach	Ulcer	Mild
Note: [ ULCER ] TGLs = 11-4			
Note: [ PIGMENT ] TGLs = 10-4-1			
Note: [ EROSION ] TGLs = 10-4-1			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-7, 2-7			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 241

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 508

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45547

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
[ Degeneration TGLS = 1-21 ]			
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Nose		Fungus	Moderate
		Inflammation	Suppurative, Moderate
Ovary	Follicle	Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 242

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45270

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Ovary	Follicle	Cyst	Mild
Note: CYST	TGLs = 1-7		
Uterus	Endometrium	Hyperplasia	Cystic, Mild
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 243

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Natural Death

DAY ON TEST: 420

HISTO: 87-45275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Skeletal Muscle  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Mammary Gland  
Parathyroid Gland  
Skin  
Tongue

OBSERVATIONS

Clitoral Gland  
Liver  
  
[ Hyperplasia TGLS = 3-6 ]  
Lung  
Lymph Node

Centrilobular  
  
Bile Duct  
  
Mandibular  
Mediastinal  
Mesenteric  
Pancreatic

Degeneration  
Atrophy  
Fatty Change  
Hyperplasia  
Leukemia Mononuclear  
  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
  
Leukemia Mononuclear  
  
Leukemia Mononuclear  
Hyperplasia  
Leukemia Mononuclear

Cystic, Moderate  
Moderate  
Mild  
Mild  
  
  
  
  
  
  
  
  
  
  
  
Cystic, Mild

Note: LEUKEMIA MONUC TGLs = 2-7-1

Note: LEUKEMIA MONUC TGLs = 5-5

Spleen  
Note: LEUKEMIA MONUC TGLs = 1-6

Thymus  
Uterus

Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 244

TRT#: 2

SEX: Female

DAY ON TEST: 560

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Mammary Gland  
Parathyroid Gland  
Skin  
Thyroid Gland  
Uterus

OBSERVATIONS

Clitoral Gland  
Lymph Node  
    [ Pigmentation TGLS = 5-3 ]  
Mesentery  
    [ Mesothelioma Benign TGLS = 2-21 ]  
Spleen

Mediastinal

Degeneration  
Pigmentation  
  
Mesothelioma Benign  
  
Hematopoietic Cell Proliferation

Cystic, Mild  
Mild  
  
  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 245

TRT#: 2

SEX: Female

DAY ON TEST: 634

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skin  
Thymus  
Urinary Bladder

OBSERVATIONS

Clitoral Gland  
Intestine Large  
Kidney  
Liver

Rectum

Degeneration  
Parasite Metazoan  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Hyperplasia  
Dilatation  
Fibroadenoma  
Hyperplasia

Cystic, Mild  
Mild  
Mild  
Minimal  
Mild  
Minimal  
Mild  
Minimal

Mammary Gland

Bile Duct

[ Fibroadenoma TGLS = 1-21 ]

Nose  
Ovary  
Pancreas  
Pituitary Gland

Pars Distalis

Inflammation  
Angiectasis  
Atrophy  
Adenoma

Suppurative, Minimal  
Mild  
Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 246

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Mineralization	Minimal
Liver		Inflammation	Focal, Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
Pancreas		Atrophy	Focal, Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Bone		Hyperostosis	Marked
Note: [ HYPEROSTOSIS ] TGLs = 1-21, 2-9			
Brain		Compression	Moderate
[ Compression TGLS = 4-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
Pancreas		Focal Cellular Change	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Kidney  
Liver

Cortex  
  
Biliar Tract  
  
Bile Duct

Adenoma  
Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Mild  
Minimal  
Minimal  
Minimal  
Minimal  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 4-21

Mammary Gland  
Pancreas  
Pituitary Gland

Acinar Cell  
Pars Distalis

Dilatation  
Hyperplasia  
Adenoma

Mild  
Minimal

[ Adenoma TGLS = 2-1 ]  
Stomach  
[ Hyperplasia TGLS = 3-4-1 ]

Glandular

Hyperplasia

Lymphoid, Mild

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

<b>ANIMAL ID:</b> 249	<b>TRT#:</b> 2 <b>DOSE:</b> 0%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 731 <b>HISTO:</b> 88-47575
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 1-21			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
Note: [ FOCAL CELL CH ] TGLs = 2-22			
Note: [ HYPERPLASIA ] TGLs = 3-23			
Mammary Gland		Dilatation	Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 250

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-47576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 6-8			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 7-22			
Lung	Alveolar Epith	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 2-21			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 250

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47576

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

Follicular Cel

Carcinoma

Note: [ CARCINOMA ] TGLs = 3-3

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45272

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Kidney		Mineralization	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pituitary Gland		Cyst	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 252

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Cyst	Marked
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-21			
Kidney		Nephropathy	Mild
Liver		Fibrosis	Focal, Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 2-22			
Note: [ FIBROSIS ] TGLs = 6-24			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
Note: [ DILATATION ] TGLs = 5-8			
Note: [ FIBROADENOMA ] TGLs = 4-23			
Pituitary Gland		Angiectasis	Moderate
[ Angiectasis TGLs = 3-1 ]			
Thymus		Cyst	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Minimal
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Note: [ HDN ] TGLs = 3-22			
Mammary Gland		Dilatation	Mild
		Fibrosis	Mild
		Hyperplasia	Mild
Note: [ FIBROSIS ] TGLs = 2-21			
Note: [ HYPERPLASIA ] TGLs = 2-21			
Note: [ DILATATION ] TGLs = 1-8, 2-21			
Uterus	Epithelium	Hyperplasia	Papillary, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 254

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

OBSERVATIONS

Bone  
Clitoral Gland  
  
Note: [ DEGEN ] TGLs = 1-8  
Kidney  
Liver

Hyperostosis  
Degeneration  
Hyperplasia  
  
Nephropathy  
Focal Cellular Change  
Hepatocellular Adenoma  
Inflammation

Mild  
Cystic, Moderate  
Mild  
  
Minimal  
Mild  
Focal, Mild

Note: [ HEPATOCLR ADEN ] TGLs = 5-22  
Mammary Gland  
Pituitary Gland  
  
[ Adenoma TGLS = 3-1 ]  
[ Cyst TGLS = 4-1 ]

Pars Distalis

Dilatation  
Adenoma  
Cyst

Minimal  
Mild

Uterus  
  
Note: [ POLYP STROMAL ] TGLs = 2-21

Endometrium  
Endometrium

Hyperplasia  
Polyp Stromal

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 255

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Brain		Compression	Moderate
[ Compression TGLS = 3-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Carcinoma	
[ Carcinoma TGLS = 2-1 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 256

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-47581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Thymus	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Compression	Moderate
[ Compression TGLS = 4-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ] TGLs = 6-22			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 1-5			
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 2-21			
Mammary Gland		Dilatation	Mild
Nose		Fungus	Minimal
		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Stomach	Glandular	Inflammation	Chronic, Mild
	Glandular	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 256

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47581

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ULCER ] TGLs = 5-4-1

[ Ulcer TGLS = 5-4-1 ]

Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 257

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM MAL ] TGLs = 2-21	Medulla	Pheochromocytoma Malignant	
Clitoral Gland Note: [ DEGEN ] TGLs = 1-8		Degeneration	Cystic, Moderate
Heart		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-22			
Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
Pancreas		Atrophy	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 258

TRT#: 2

SEX: Female

DAY ON TEST: 708

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Marked
[ Vacuolization Cytoplasmic TGLS = 5-10 ]			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 6-5			
Liver		Fatty Change	Moderate
Lung		Hyperplasia	Macrophage, Mild
Note: [ HYPERPLASIA ] TGLs = 10-2			
Lymph Node	Mesenteric	Angiectasis	Moderate
Note: [ ANGIECTASIS ] TGLs = 8-5			
Mammary Gland		Dilatation	Mild
[ Dilatation TGLS = 2-8 ]			
[ Fibroadenoma TGLS = 1-21 ]			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pancreas		Infiltration Cellular	Lipocyte, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9-1			
Salivary Glands		Infiltration Cellular	Lipocyte, Mild
Spleen		Fibrosis	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 258

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 708

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47070

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Fibrosis TGLS = 4-22 ]

Uterus

Endometrium

Polyp Stromal

[ Polyp Stromal TGLS = 3-7 ]

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 259

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Scheduled Sacrifice

DAY ON TEST: 457

HISTO: 87-45273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Minimal
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: HDN	TGLs = 2-21		
	[ Hepatodiaphragmatic Nodule TGLS = 3-22 ]		
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
	[ Polyp Stromal TGLS = 1-7 ]		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 260

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 4-8			
Eye		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 1-24	Retina	Degeneration	Marked
Note: [ DEGEN ] TGLs = 1-24			
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Lymph Node	Axillary	Angiectasis	Moderate
Note: [ HYPERPLASIA ] TGLs = 5-23	Axillary	Hyperplasia	Moderate
Note: [ ANGIECTASIS ] TGLs = 5-23			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-21			
Pancreas		Focal Cellular Change	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 3-22			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 260

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47583

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Developmental Malformation

Mild

Note: [ DEVELOP MALFOR ] TGLs = 9-25

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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Note: [ HYPERPLASIA ] TGLs = 8-7

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 261

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
Note: [ DILATATION ] TGLs = 2-8			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 262

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Spleen  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland  
Intestine Large  
Kidney  
Liver

Rectum

Biliar Tract

Bile Duct

Degeneration  
Parasite Metazoan  
Nephropathy  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Inflammation

Cystic, Moderate  
Minimal  
Minimal  
Minimal  
Minimal  
Moderate  
Mild  
Multifocal, Mild  
Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 4-21

Mammary Gland

Note: [ DILATATION ] TGLs = 1-8

Pituitary Gland

Pars Distalis

[ Adenoma TGLS = 3-1 ]

Thyroid Gland

C Cell

Uterus

Endometrium

Dilatation

Adenoma

Hyperplasia

Hyperplasia

Mild

Mild

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 263

TRT#: 2

SEX: Female

DAY ON TEST: 696

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Bone		Hyperostosis	Mild
Clitoral Gland		Degeneration	Cystic, Mild
[ Degeneration TGLS = 1-8 ]			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
Mammary Gland		Dilatation	Mild
[ Dilatation TGLS = 2-21 ]		Fibroadenoma	
[ Fibroadenoma TGLS = 3-21 ]			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Brain  
[ Glioma Malignant TGLS = 3-1 ]

Glioma Malignant

Clitoral Gland  
Kidney  
Liver

Degeneration  
Mineralization  
Hyperplasia  
Inflammation  
Hyperplasia

Cystic, Mild  
Mild  
Minimal  
Focal, Minimal  
Cystic, Moderate

Uterus  
[ Hyperplasia TGLS = 1-7 ]

Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 265

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-47586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 3-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Uterus	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Tongue	Trachea
Urinary Bladder			

MISSING

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Bone		Hyperostosis	Minimal
Clitoral Gland		Degeneration	Cystic, Moderate
Harderian Gland		Leukemia Mononuclear	
Intestine Large	Cecum	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-23 ]			
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
		Leukemia Mononuclear	
Lymph Node	Mesenteric	Cyst	Moderate
	Mesenteric	Leukemia Mononuclear	
Note: [ CYST ] TGLs = 4-5			
[ Leukemia Mononuclear TGLS = 4-5 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple, Two
Note: [ DILATATION ] TGLs = 6-8			
[ Fibroadenoma TGLS = 1-21, 2-22 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 267

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 731

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47588

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Mesentery

Leukemia Mononuclear

Ovary

Angiectasis

Mild

Thymus

Cyst

Mild

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Adenoma

Hyperplasia

Cystic, Mild

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Note: [ ADENOMA ] TGLs = 3-7

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 268

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 88-47589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Adenocarcinoma	Metastatic (Uterus)
	Pelvis	Dilatation	Mild
		Nephropathy	Moderate
Note: [ DILATATION ] TGLs = 4-5, 8-5			
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 10-22			
Lung		Adenocarcinoma	Metastatic (Uterus)
[ Adenocarcinoma TGLS = 5-2 ]			
Mammary Gland		Dilatation	Mild
Mesentery		Adenocarcinoma	Metastatic (Uterus)
Ovary		Adenocarcinoma	Metastatic (Uterus)
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
Skeletal Muscle		Adenocarcinoma	Metastatic (Uterus)
Note: [ ADENOCARC ] TGLs = 6-21			
Thyroid Gland	C Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:16  
**First Dose M/F:** NA / NA  
**Lab:** SRI

**ANIMAL ID:** 268

**TRT#:** 2  
**DOSE:** 0%

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 731  
**HISTO:** 88-47589

**ORGAN AND ACCOUNTABLE SITE STATUS**

Urinary Bladder		Adenocarcinoma	Metastatic (Uterus)
Uterus		Adenocarcinoma	
	Endometrium	Hydrometra	Mild
		Hyperplasia	Cystic, Mild
Note: [ HYDROMETRA ] TGLs = 1-7			
Note: [ HYPERPLASIA ] TGLs = 9-7			
Note: [ ADENOCARC ] TGLs = 2-7, 3-7			
Vagina		Cyst	Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 269

TRT#: 2

SEX: Female

DAY ON TEST: 631

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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	Nose
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Bone		Hyperostosis	Minimal
Brain		Compression	Moderate
Note: [ COMPRESSION ] TGLs = 4-1-1			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
[ Fatty Change TGLS = 2-21 ]			
Mammary Gland		Dilatation	Moderate
[ Dilatation TGLS = 1-8 ]			
Ovary	Periovarn Tiss	Cyst	Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-1			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 3-8			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ FOCAL CELL CH ] TGLs = 6-22			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-21			
Note: [ DILATATION ] TGLs = 1-8			
Ovary	Follicle	Cyst	Moderate
Note: [ CYST ] TGLs = 4-7			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild
Note: [ HYDROMETRA ] TGLs = 5-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 271

TRT#: 2

SEX: Female

DAY ON TEST: 710

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Bone Marrow		Hypercellularity	Moderate
Brain		Compression	Moderate
[ Compression TGLS = 6-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 4-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Adenoma	
		Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 271

**TRT#:** 2

**DOSE:** 0%

**SEX:** Female

**DISP:** Moribund Sacrifice

**DAY ON TEST:** 710

**HISTO:** 88-47591

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Inflammation

Suppurative, Mild

Note: [ ADENOMA ] TGLs = 3-7

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 272

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [ ANGIECTASIS ] TGLs = 2-10	Cortex	Angiectasis	Mild
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
Mammary Gland Note: [ DILATATION ] TGLs = 1-8		Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 273

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Minimal
Liver		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
[ Inflammation TGLS = 1-21 ]			
Lung	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 2-2-1			
Pancreas		Atrophy	Focal, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 274

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Glandular

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Trachea

OBSERVATIONS

Clitoral Gland  
Note: [ CARCINOMA ] TGLs = 1-8-1

Kidney

Liver

Biliar Tract  
Bile Duct

Pancreas

Pituitary Gland  
[ Adenoma TGLS = 2-1 ]

Spleen

Thymus

Thyroid Gland

Uterus

Pars Distalis

C Cell

Endometrium  
Epithelium

Carcinoma

Nephropathy

Fibrosis

Hyperplasia

Leukemia Mononuclear

Atrophy

Focal Cellular Change

Adenoma

Leukemia Mononuclear

Cyst

Adenoma

Hyperplasia

Hyperplasia

Minimal

Minimal

Minimal

Focal, Mild

Minimal

Mild

Cystic, Moderate

Papillary, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone  
Clitoral Gland  
Kidney  
Liver  
  
Note: [ HYPERPLASIA ] TGLs = 5-22  
Mammary Gland  
  
Note: [ DILATATION ] TGLs = 1-8  
Nose  
Pituitary Gland  
[ Adenoma TGLS = 3-1 ]  
Thyroid Gland  
Uterus  
  
Note: [ POLYP STROMAL ] TGLs = 2-21  
Note: [ HYPERPLASIA ] TGLs = 4-7

Biliar Tract  
  
Bile Duct  
  
  
  
Pars Distalis  
  
C Cell  
Epithelium  
Endometrium

Hyperostosis  
Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Inflammation  
  
Dilatation  
Hyperplasia  
  
Inflammation  
Adenoma  
  
Hyperplasia  
Hyperplasia  
Polyp Stromal

Minimal  
Cystic, Minimal  
Minimal  
Minimal  
Mild  
Minimal  
Multifocal, Mild  
Focal, Mild  
  
Moderate  
Mild  
  
Suppurative, Minimal  
  
Minimal  
Papillary, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Mild
Note: COMPRESSION	TGLs = 5-1		
Clitoral Gland		Degeneration	Cystic, Mild
Liver		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
Mammary Gland		Dilatation	Moderate
Note: DILATATION	TGLs = 1-8,2-21		
Mesentery	Fat	Necrosis	Moderate
Note: NECROSIS	TGLs = 3-22		
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-1-1		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 277

TRT#: 2

SEX: Female

DAY ON TEST: 584

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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	Ovary
Pancreas	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 5-24			
Brain		Compression	Moderate
[ Compression TGLS = 7-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 4-23			
[ Fatty Change TGLS = 4-23 ]			
[ Hepatodiaphragmatic Nodule TGLS = 3-22 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
[ Dilatation TGLS = 1-8 ]			
[ Fibroadenoma TGLS = 2-21 ]			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 277

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 584

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45784

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: [ ADENOMA ] TGLs = 6-1

Stomach

Glandular, Mucosa

Cyst

Multiple, Mild

Note: [ CYST ] TGLs = 8-4-1

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 278

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 88-47595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	Moderate
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Angiectasis	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
[ Fibrosis TGLS = 4-21 ]			
Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
Note: [ DILATATION ] TGLs = 1-8			
Ovary	Follicle	Cyst	Marked
Note: [ CYST ] TGLs = 2-7			
Pancreas		Focal Cellular Change	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 278

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47595

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ POLYP STROMAL ] TGLs = 3-22

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 279

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

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

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Brain

Compression

Marked

[ Compression TGLS = 3-1-1 ]

Clitoral Gland

Degeneration

Cystic, Moderate

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Nephropathy

Mild

Liver

Focal Cellular Change

Mild

Inflammation

Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 4-21

Mammary Gland

Dilatation

Mild

Hyperplasia

Mild

Note: [ DILATATION ] TGLs = 1-8

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 2-1 ]

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Marked
Note: [ DEGEN ] TGLs = 5-8			
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 2-21			
Note: [ HYPERPLASIA ] TGLs = 4-22			
Mammary Gland		Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-23			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 281

TRT#: 2

SEX: Female

DAY ON TEST: 721

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain		Compression	Mild
[ Compression TGLS = 8-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
[ Fatty Change TGLS = 5-23 ]			
Lung		Adenocarcinoma	
Note: ADENOCARC IS NOT USUAL TYPE FOR RAT LUNG.			
[ Adenocarcinoma TGLS = 6-2-1 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	Multiple, Two
Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
Uterus		Decidual Reaction	Mild
	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 281

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 721

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47598

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Endometrium

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 3-24

Note: DECIDUAL REACTION IS IN STROMAL POLYP.

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 282

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 727

HISTO: 88-47599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Compression	Moderate
[ Compression TGLS = 3-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ INFLAMMATION ] TGLs = 7-6			
[ Fatty Change TGLS = 5-22, 6-23 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Note: [ DILATATION ] TGLs = 2-8			
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 282

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47599

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 283

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
Uterus

Colon

Endometrium

Parasite Metazoan  
Mineralization  
Inflammation  
Hyperplasia

Mild  
Mild  
Focal, Minimal  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 8-10		
Note: [ LEUKEMIA MONUC ]	TGLs = 8-10		
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Mild
Heart		Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
[ Leukemia Mononuclear TGLS = 9-6 ]			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Iliac	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46952

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic  
Renal

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 12-24  
Note: [ LEUKEMIA MONUC ] TGLs = 10-3  
Note: [ LEUKEMIA MONUC ] TGLs = 2-8  
Note: [ LEUKEMIA MONUC ] TGLs = 11-23

Mammary Gland

Dilatation  
Hyperplasia

Mild  
Mild

Note: [ HYPERPLASIA ] TGLs = 1-8  
Note: [ DILATATION ] TGLs = 1-8

Mesentery

Leukemia Mononuclear

Ovary

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-22

Pituitary Gland

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 14-1

Spleen

Fibrosis  
Leukemia Mononuclear

Mild

Note: [ FIBROSIS ] TGLs = 4-21

Stomach

Forestomach  
Glandular  
Forestomach  
Glandular

Edema  
Edema  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Mild  
Mild

Thymus

Note: [ LEUKEMIA MONUC ] TGLs = 13-3

Thyroid Gland

C Cell

Adenoma

Uterus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-7, 15-7-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 704

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Ovary

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Stomach - Forestomach

Stomach - Glandular

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Bone Marrow

Leukemia Mononuclear

Brain

Compression

Moderate

Leukemia Mononuclear

Note: [ COMPRESSION ] TGLs = 11-1-1

Clitoral Gland

Degeneration

Cystic, Moderate

Note: [ DEGEN ] TGLs = 3-8

Kidney

Nephropathy

Minimal

Liver

Centrilobular

Atrophy

Mild

Fatty Change

Moderate

Biliar Tract

Fibrosis

Mild

Bile Duct

Hyperplasia

Mild

Hyperplasia

Multifocal, Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-6

Note: [ HYPERPLASIA ] TGLs = 9-24

Lung

Mediastinum

Leukemia Mononuclear

Leukemia Mononuclear

Lymph Node

Mandibular

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Mammary Gland

Dilatation

Mild

Note: [ DILATATION ] TGLs = 2-8

Mesentery

Leukemia Mononuclear

Fat

Necrosis

Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 704

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-47600

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ LEUKEMIA MONUC ] TGLs = 4-22

Note: [ NECROSIS ] TGLs = 4-22

Pancreas

Duct

Atrophy

Focal, Mild

Dilatation

Mild

Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

Note: [ ADENOMA ] TGLs = 10-1

Note: [ LEUKEMIA MONUC ] TGLs = 10-1

Skin

Subcut Tiss

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-21

Spleen

Fibrosis

Mild

Leukemia Mononuclear

Note: [ FIBROSIS ] TGLs = 7-23

Note: [ LEUKEMIA MONUC ] TGLs = 5-6, 7-23

Thymus

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Inflammation

Suppurative, Minimal

Endometrium

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 6-25

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 286

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 732

HISTO: 88-47601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	Mild
[ Compression TGLS = 7-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-6 ]			
Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 4-2 ]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 5-3 ]			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 286

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47601

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Leukemia Mononuclear TGLS = 2-6 ]

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Polyp Stromal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 287

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

OBSERVATIONS

Clitoral Gland  
Intestine Large  
Kidney  
Liver  
Mammary Gland  
Note: DILATATION TGLs = 1-21  
Pituitary Gland  
Note: ADENOMA TGLs = 2-1

Rectum  
  
  
  
  
  
Pars Distalis

Degeneration  
Parasite Metazoan  
Mineralization  
Inflammation  
Dilatation  
  
Adenoma

Cystic, Mild  
Minimal  
Minimal  
Focal, Minimal  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 288

TRT#: 2

DOSE: 0%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 525

HISTO: 88-45648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Eye		Inflammation	Chronic, Moderate
	Cornea	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 1-21			
Note: [ INFLAMMATION ] TGLs = 1-21			
Note: CORNEA IS ULCERATED, WITH PERFORATION.			
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
		Inflammation	Focal, Mild
Lymph Node	Deep Cervical	Hyperplasia	Moderate
	Mandibular	Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 6-23			
Note: [ HYPERPLASIA ] TGLs = 4-8			
Thymus		Cyst	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Zymbal's Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 5-22			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 289

TRT#: 2

SEX: Female

DAY ON TEST: 658

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46450

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mesenteric	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Minimal
Note: [ COMPRESSION ] TGLs = 11-1			
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-7			
Kidney		Nephropathy	Minimal
		Pigmentation	Moderate
Liver	Centrilobular	Atrophy	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 8-6, 9-24			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12-25			
Note: [ LEUKEMIA MONUC ] TGLs = 4-8			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
Note: [ FIBROADENOMA ] TGLs = 3-21			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 289

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 658

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46450

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: [ DILATATION ] TGLs = 2-8

Nose

Fungus

Mild

Inflammation

Suppurative, Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 10-1

Skin

Subcut Tiss

Inflammation

Suppurative, Marked

Note: [ INFLAMMATION ] TGLs = 5-22

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-61

Note: [ FIBROSIS ] TGLs = 7-23

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 290

TRT#: 2

SEX: Female

DAY ON TEST: 627

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

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

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Bone

Hyperostosis

Minimal

Brain

Compression

Moderate

Note: [ COMPRESSION ] TGLs = 4-1

Clitoral Gland

Degeneration

Cystic, Mild

Kidney

Nephropathy

Moderate

Liver

Focal Cellular Change

Mild

Hyperplasia

Multifocal, Mild

Inflammation

Focal, Mild

Mammary Gland

Dilatation

Marked

Hyperplasia

Mild

[ Dilatation TGLS = 1-21 ]

Mesentery

Fat

Necrosis

Mild

Note: [ NECROSIS ] TGLs = 3-22

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 5-1

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 291

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild

Note: [ HYDROMETRA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 292

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Tongue		Squamous Cell Papilloma	
Note: [ PAPILOMA SQUA ] TGLs = 4-11			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 293

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0%

DISP: Scheduled Sacrifice

HISTO: 87-45316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Mineralization	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pituitary Gland		Cyst	Minimal
Thyroid Gland		Ultimobranchial Cyst	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

Note: HYPERPLASIA TGLs = 1-7,2-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 294

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Skeletal Muscle  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Skin  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone  
Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8

Kidney  
Liver  
Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1

Lymph Node  
Mammary Gland  
Nose  
Spleen  
Note: [ LEUKEMIA MONUC ] TGLs = 4-6  
Thyroid Gland

Centrilobular  
Biliar Tract  
Bile Duct

Mediastinal

Follicle

Hyperostosis  
Degeneration  
Nephropathy  
Atrophy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Leukemia Mononuclear  
Dilatation  
Fungus  
Inflammation  
Leukemia Mononuclear

Cyst

Mild  
Cystic, Moderate  
Mild  
Mild  
Mild  
Mild  
Mild  
Multifocal, Mild  
Mild  
Minimal  
Suppurative, Minimal  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 693

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-46953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Tongue

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

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 7-25  
Clitoral Gland  
Kidney  
Note: [ CYST ] TGLs = 4-23  
Liver  
Lymph Node  
Note: [ ANGIECTASIS ] TGLs = 6-3  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
[ Dilatation TGLS = 2-21 ]  
Mesentery  
Note: [ NECROSIS ] TGLs = 3-22  
Pituitary Gland  
Note: [ ADENOMA ] TGLs = 8-1

Biliar Tract  
Bile Duct  
Mediastinal  
Fat  
Pars Distalis

Hyperostosis  
Degeneration  
Hyperplasia  
Cyst  
Nephropathy  
Fibrosis  
Hyperplasia  
Inflammation  
Necrosis  
Angiectasis  
Dilatation  
Fibroadenoma  
Necrosis  
Adenoma

Moderate  
Cystic, Mild  
Mild  
Moderate  
Mild  
Mild  
Mild  
Focal, Mild  
Focal, Mild  
Mild  
Moderate  
Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 295

**TRT#:** 2

**SEX:** Female

**DAY ON TEST:** 693

**DOSE:** 0%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46953

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Hematopoietic Cell Proliferation

Mild

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

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

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8  
Liver  
Note: [ FOCAL CELL CH ] TGLs = 5-22  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Mesentery  
Note: [ NECROSIS ] TGLs = 3-21  
Ovary  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 4-1 ]  
Thyroid Gland  
Uterus

Biliar Tract  
Bile Duct  
Fat  
Follicle  
Pars Distalis  
C Cell  
Endometrium

Degeneration  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Necrosis  
Cyst  
Atrophy  
Adenoma  
Adenoma  
Hyperplasia

Cystic, Moderate  
Mild  
Mild  
Mild  
Focal, Mild  
Mild  
Minimal  
Minimal  
Focal, Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 2-21			
Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
[ Adenoma TGLS = 1-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Note: [ HYPERPLASIA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 298

TRT#: 2

SEX: Female

DAY ON TEST: 603

DOSE: 0%

DISP: Moribund Sacrifice

HISTO: 88-45976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	Moderate
[ Compression TGLS = 4-1 ]			
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
[ Fatty Change TGLS = 5-21 ]			
[ Hyperplasia TGLS = 5-21 ]			
Mammary Gland		Dilatation	Mild
[ Dilatation TGLS = 1-8 ]			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Stomach	Forestomach	Inflammation	Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: 0%

DISP: Terminal Sacrifice

HISTO: 88-47607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
[ Fibrosis TGLS = 3-21, 5-22 ]			
Ovary	Follicle	Cyst	Marked
Note: [ CYST ] TGLs = 1-7			
Pancreas		Atrophy	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 606

DOSE: 0%

DISP: Natural Death

HISTO: 88-45977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland [ Degeneration TGLS = 3-8-1 ]		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Hyperplasia	Multifocal, Moderate
Note: [ HDN ] TGLs = 7-22 [ Fatty Change TGLS = 6-21 ] [ Hepatodiaphragmatic Nodule TGLS = 6-21 ]			
Lung Note: [ CONGESTION ] TGLs = 8-2		Congestion	Mild
Lymph Node [ Angiectasis TGLS = 2-8 ]	Mandibular	Angiectasis	Mild
Mammary Gland [ Dilatation TGLS = 1-8 ]		Dilatation	Mild
Pituitary Gland Note: [ ADENOMA ] TGLs = 9-1	Pars Distalis	Adenoma	
Thymus		Angiectasis	Moderate
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus	Cervix	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:16  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 300

**TRT#:** 2  
**DOSE:** 0%

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 606  
**HISTO:** 88-45977

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Inflammation TGLS = 5-7 ]  
Vagina

Mucosa

Inflammation

Suppurative, Mild

[ Angiectasis TGLS = 4-7 ]

[ Hyperplasia TGLS = 4-7 ]

Angiectasis

Hyperplasia

Moderate

Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48185

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Duodenum  
Lung  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Brain  
[ Compression TGLS = 2-1-1 ]  
Clitoral Gland  
Intestine Large  
Kidney  
Liver  
  
Mammary Gland  
  
Note: [ DILATATION ] TGLs = 3-8  
Nose  
Pituitary Gland  
[ Adenoma TGLS = 1-1 ]  
Uterus

Rectum  
  
Bile Duct  
  
  
  
Pars Distalis  
  
Endometrium

Compression  
  
Degeneration  
Parasite Metazoan  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Hyperplasia  
  
Inflammation  
Adenoma  
  
Hyperplasia

Marked  
  
Cystic, Moderate  
Minimal  
Mild  
Mild  
Mild  
Focal, Mild  
Mild  
Mild  
  
Suppurative, Minimal  
  
  
  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Kidney

Mineralization

Minimal

Liver

Nephropathy

Minimal

Pancreas

Inflammation

Focal, Minimal

Pituitary Gland

Atrophy

Focal, Minimal

Uterus

Cyst

Mild

Endometrium

Hydrometra

Mild

Endometrium

Hyperplasia

Cystic, Mild

Polyp Stromal

Note: HYDROMETRA TGLs = 2-7

[ Hyperplasia TGLS = 3-7 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 655

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-46452

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Fibrosis	Mild
Bone		Hyperostosis	Marked
[ Hyperostosis TGLS = 5-21 ]			
Brain		Compression	Minimal
Note: [ COMPRESSION ] TGLs = 7-1			
Clitoral Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 2-8 ]			
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Moderate
Lymph Node	Mandibular	Angiectasis	Moderate
[ Angiectasis TGLS = 3-8 ]			
Mammary Gland		Dilatation	Moderate
[ Dilatation TGLS = 1-8 ]			
Pituitary Gland		Hemorrhage	Marked
Note: [ HEMORRHAGE ] TGLs = 6-1			
Salivary Glands		Focal Cellular Change	Mild
Uterus	Endometrium	Polyp Stromal	
[ Polyp Stromal TGLS = 4-7 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 696

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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 - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Brain		Compression	Moderate
Note: [ COMPRESSION ] TGLs = 10-1			
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 4-8-1			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 6-23, 7-24			
Lymph Node	Mandibular	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 5-8			
Mammary Gland		Adenocarcinoma	
		Dilatation	Moderate
		Fibroadenoma	
		Hyperplasia	Moderate
[ Adenocarcinoma TGLS = 1-21 ]			
[ Fibroadenoma TGLS = 2-22 ]			
[ Hyperplasia TGLS = 3-8 ]			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 304

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 696

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46962

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 9-1

Tooth

Incisor

Dysplasia

Moderate

Note: [ DYSPLASIA ] TGLs = 8-9

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 305

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 633

HISTO: 88-46316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	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
Ovary	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 8-26			
Brain		Compression	Moderate
Note: [ COMPRESSION ] TGLs = 10-1-1			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
[ Focal Cellular Change TGLS = 4-22, 6-24, 7-25 ]			
[ Hepatocellular Adenoma TGLS = 5-23 ]			
Mammary Gland		Dilatation	Mild
[ Dilatation TGLS = 1-8 ]			
Mesentery	Fat	Necrosis	Moderate
[ Necrosis TGLS = 3-21 ]			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9-1			
Thymus		Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 305

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 633

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46316

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Endometrium

Polyp Stromal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48186

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thymus  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Brain  
Note: [ COMPRESSION ] TGLs = 3-1-1

Compression  
Mild

Clitoral Gland  
Kidney  
Liver  
  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8

Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Cystic, Moderate  
Mild  
Mild  
Minimal  
Mild  
Focal, Minimal  
Moderate

Pancreas  
Pituitary Gland  
Note: [ ADENOMA ] TGLs = 2-1

Atrophy  
Adenoma  
Focal, Minimal

Uterus  
Endometrium

Hyperplasia  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48187

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 2-21			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
		Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Uterus		Cyst	Moderate
	Endometrium	Polyp Stromal	
Note: [ CYST ] TGLs = 1-7, 1-7-1			
Note: [ POLYP STROMAL ] TGLs = 1-7, 1-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Fibrosis	Mild
		Nephropathy	Mild
Note: [ FIBROSIS ] TGLs = 4-5-1			
Liver		Congestion	Mild
		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Inflammation	Focal, Minimal
Note: [ CONGESTION ] TGLs = 6-6			
[ Congestion TGLS = 5-22 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Note: [ DILATATION ] TGLs = 3-8			
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 707

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-47078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

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

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Bone

Hyperostosis

Mild

Clitoral Gland

Degeneration

Cystic, Minimal

Intestine Large

Rectum

Parasite Metazoan

Mild

Kidney

Nephropathy

Minimal

Liver

Focal Cellular Change

Mild

Mammary Gland

Inflammation

Focal, Moderate

Dilatation

Mild

Hyperplasia

Mild

[ Dilatation TGLS = 1-8 ]

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 3-1

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Endometrium

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 2-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 310

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 88-48189

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 7-6			
[ Fibrosis TGLS = 5-21 ]			
Ovary	Periovarn Tiss	Cyst	Mild
Note: [ CYST ] TGLs = 2-7			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-1			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 3-7-1			
Note: [ HYPERPLASIA ] TGLs = 4-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 311

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Natural Death

DAY ON TEST: 621

HISTO: 88-46317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Salivary Glands  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Thymus  
Urinary Bladder

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

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Bone  
Clitoral Gland  
Kidney  
Liver

Biliar Tract

Bile Duct

[ Focal Cellular Change TGLS = 4-23 ]  
[ Hepatodiaphragmatic Nodule TGLS = 3-22 ]

Lung

[ Congestion TGLS = 2-2 ]  
[ Hemorrhage TGLS = 2-2 ]

Nose  
Spleen  
Uterus

Endometrium

Hyperostosis  
Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Leukemia Mononuclear

Congestion  
Hemorrhage

Hemorrhage  
Leukemia Mononuclear  
Hyperplasia

Mild  
Cystic, Minimal  
Minimal  
Mild  
Mild  
Mild  
Mild

Moderate  
Moderate

Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48190

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone  
Clitoral Gland  
Intestine Large  
Kidney  
Liver

Rectum

Bile Duct

Hyperostosis  
Degeneration  
Parasite Metazoan  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Infiltration Cellular  
Inflammation

Moderate  
Cystic, Minimal  
Minimal  
Mild  
Mild  
Minimal  
Mixed Cell, Minimal  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 5-22, 6-6, 7-23

Mammary Gland

Dilatation  
Fibroadenoma  
Hyperplasia

Mild  
Mild

Note: [ HYPERPLASIA ] TGLs = 1-8, 1-8-1

Note: [ DILATATION ] TGLs = 1-8, 1-8-1

Note: [ FIBROADENOMA ] TGLs = 2-21

Pituitary Gland

[ Adenoma TGLS = 4-1 ]

Pars Distalis

Adenoma

Thymus

Uterus

Epithel Cell

Endometrium

Endometrium

Thymoma Benign

Hyperplasia

Polyp Stromal

Cystic, Mild

Multiple

Note: [ POLYP STROMAL ] TGLs = 3-7

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 312

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48190

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	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	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Mild
		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 1-3		
Pancreas		Atrophy	Focal, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-10			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-3			
Note: [ LEUKEMIA MONUC ] TGLs = 8-5			
[ Leukemia Mononuclear TGLS = 6-22 ]			
[ Leukemia Mononuclear TGLS = 2-21 ]			
Mammary Gland		Dilatation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 314

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 584

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45786

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ DILATATION ] TGLs = 1-8

Ovary

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-7

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 11-1

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1

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**PRIMARY CAUSE OF DEATH**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-47035

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8 ]			
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 4-22			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Dilatation TGLS = 2-8 ]			
[ Hyperplasia TGLS = 3-21 ]			
Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48191

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Lymph Node - Mandibular	Lymph Node - Mesenteric
Ovary	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM MAL ] TGLs = 1-21	Medulla	Pheochromocytoma Malignant	
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-23 Note: [ HYPERPLASIA ] TGLs = 2-22			
Lung [ Fibrosis TGLS = 3-2 ]		Fibrosis	Focal, Minimal
Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Focal Cellular Change	Mild
[ Angiectasis TGLS = 4-1 ] [ Focal Cellular Change TGLS = 4-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 654

HISTO: 88-46453

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Angiectasis	Moderate
	Medulla	Leukemia Mononuclear	
Note: [ ANGIECTASIS ] TGLs = 7-10			
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 10-21			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 3-8			
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 654

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46453

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 9-3 [ Leukemia Mononuclear TGLS = 5-7 ] [ Leukemia Mononuclear TGLS = 2-8 ]	Pancreatic	Leukemia Mononuclear	
Mammary Gland Note: [ DILATATION ] TGLs = 1-8		Dilatation	Mild
Pituitary Gland Note: [ ADENOMA ] TGLs = 11-1	Pars Distalis	Adenoma	
Spleen Note: [ LEUKEMIA MONUC ] TGLs = 6-6		Leukemia Mononuclear	
Uterus Note: [ HYPERPLASIA ] TGLs = 4-7	Endometrium	Hyperplasia	Cystic, Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 318

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 654

HISTO: 88-46454

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	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	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 4-23			
Brain		Compression	Mild
Note: [ COMPRESSION ] TGLs = 6-1			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 3-22			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 7-7			
Mammary Gland		Dilatation	Marked
		Fibroadenoma	
		Hyperplasia	Moderate
[ Dilatation TGLS = 2-21 ]			
[ Hyperplasia TGLS = 1-8 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 1-8

Intestine Large  
Kidney  
Liver

Rectum

Degeneration  
Parasite Metazoan  
Mineralization  
Fatty Change  
Hepatodiaphragmatic Nodule  
Inflammation

Cystic, Mild  
Minimal  
Mild  
Minimal  
Mild  
Focal, Mild

[ Inflammation TGLS = 3-21 ]

Uterus  
Note: HYPERPLASIA TGLs = 2-7

Endometrium

Hyperplasia  
Inflammation

Cystic, Mild  
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 487

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45506

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

MISSING

Thymus

OBSERVATIONS

Blood Vessel	Mesent Artery	Inflammation	Chronic, Moderate
	Mesent Artery	Thrombosis	Moderate
[ Inflammation TGLS = 7-22 ]			
[ Thrombosis TGLS = 7-22 ]			
Kidney		Nephropathy	Minimal
Liver		Inflammation	Focal, Mild
[ Inflammation TGLS = 6-6 ]			
Lung		Carcinoma	Metastatic (Zymbal'S Gland)
Note: [ CARCINOMA ] TGLs = 9-2-1			
Lymph Node	Mandibular	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-8 ]			
Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Moderate
[ Fibrosis TGLS = 5-21 ]			
[ Hematopoietic Cell Proliferation TGLS = 4-6 ]			
Zymbal's Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 8-23			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 320

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 487

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-45506

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Infarct	Mild
Note: [ INFARCT ] TGLs = 2-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48193

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 3-22			
Lung		Bronchiectasis	Minimal
		Hyperplasia	Lymphoid, Moderate
		Inflammation	Chronic, Mild
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 2-21			
Nose		Inflammation	Suppurative, Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45296

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Urinary Bladder

**OBSERVATIONS**

Bone  
Clitoral Gland  
Kidney  
  
Liver  
  
Pituitary Gland  
Uterus

Endometrium

Hyperostosis  
Degeneration  
Mineralization  
Nephropathy  
Fatty Change  
Inflammation  
Cyst  
Hyperplasia

Mild  
Cystic, Mild  
Mild  
Minimal  
Minimal  
Focal, Mild  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 520

DOSE: 0.3%

DISP: Natural Death

HISTO: 88-45647

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

**OBSERVATIONS**

Bone  
Clitoral Gland  
Liver  
Pancreas  
Pituitary Gland  
[ Angiectasis TGLS = 3-1 ]  
Uterus  
[ Schwannoma Malignant TGLS = 1-7, 1-7-1, 1-7-2 ]

Hyperostosis  
Degeneration  
Fatty Change  
Atrophy  
Angiectasis  
  
Schwannoma Malignant

Mild  
Cystic, Mild  
Minimal  
Focal, Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 325

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 88-48194

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Heart

Intestine Small - Duodenum

Lymph Node - Mandibular

Pancreas

Skin

Thymus

Adrenal Gland - Medulla

Intestine Large - Cecum

Intestine Small - Ileum

Lymph Node - Mesenteric

Parathyroid Gland

Spleen

Tongue

Bone Marrow

Intestine Large - Colon

Intestine Small - Jejunum

Nose

Salivary Glands

Stomach - Forestomach

Trachea

Esophagus

Intestine Large - Rectum

Islets, Pancreatic

Ovary

Skeletal Muscle

Stomach - Glandular

Urinary Bladder

OBSERVATIONS

Bone

Brain

Note: [ COMPRESSION ] TGLs = 7-1

Clitoral Gland

Note: [ DEGEN ] TGLs = 2-8

Kidney

Liver

Biliar Tract

Bile Duct

Note: [ HYPERPLASIA ] TGLs = 9-21

Lung

Note: [ HYPERPLASIA ] TGLs = 6-2-1

Note: [ HYPERPLASIA ] TGLs = 6-2-1

Mammary Gland

Note: [ DILATATION ] TGLs = 1-8

Pituitary Gland

[ Carcinoma TGLS = 8-1 ]

Thyroid Gland

Alveolar Epith

Pars Distalis

C Cell

Hyperostosis

Compression

Degeneration

Nephropathy

Fatty Change

Fibrosis

Focal Cellular Change

Hyperplasia

Hyperplasia

Inflammation

Hyperplasia

Hyperplasia

Dilatation

Carcinoma

Adenoma

Mild

Moderate

Cystic, Moderate

Mild

Minimal

Mild

Minimal

Mild

Multifocal, Mild

Focal, Mild

Minimal

Macrophage, Minimal

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 325

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48194

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Endometrium

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 5-7-1

Vagina

Cyst

Moderate

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

OBSERVATIONS

Bone  
Note: HYPEROSTOSIS TGLs = 1-21  
Clitoral Gland  
Kidney  
Liver  
  
Pancreas  
Uterus

Endometrium

Hyperostosis  
  
Degeneration  
Mineralization  
Fatty Change  
Inflammation  
Atrophy  
Hyperplasia

Moderate  
  
Cystic, Mild  
Mild  
Minimal  
Focal, Minimal  
Focal, Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 7-5			
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Moderate
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Multifocal, Moderate
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 9-24, 9-24-1, 12-26			
Note: [ LEUKEMIA MONUC ] TGLs = 8-6			
[ Fatty Change TGLS = 10-25 ]			
Lung		Hyperplasia	Macrophage, Minimal
		Leukemia Mononuclear	
		Pigmentation	Minimal
[ Hyperplasia TGLS = 11-2-1 ]			
[ Leukemia Mononuclear TGLS = 11-2-1 ]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 327

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48195

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22		Fibroadenoma	Multiple, Two
Note: [ DILATATION ] TGLs = 3-8			
Pancreas		Atrophy	Focal, Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Note: [ FIBROSIS ] TGLs = 6-23			
Thymus	Epithel Cell	Hyperplasia	Moderate
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
Note: [ HYDROMETRA ] TGLs = 4-7			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 704

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48196

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Brain		Compression	Moderate
[ Compression TGLS = 7-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Minimal
		Hepatodiaphragmatic Nodule	Moderate
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 8-24			
Note: [ HDN ] TGLs = 5-23			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 4-22			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	Multiple

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 328

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48196

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ POLYP STROMAL ] TGLs = 3-21, 2-7-1

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PRIMARY CAUSE OF DEATH

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-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48197

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

OBSERVATIONS

Bone Marrow  
Clitoral Gland  
Kidney  
Liver

Hyperplasia  
Degeneration  
Nephropathy  
Focal Cellular Change  
Inflammation

Histiocytic, Marked  
Cystic, Minimal  
Minimal  
Mild  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 5-23, 6-24, 7-25

Lung

Note: [ HYPERPLASIA ] TGLs = 3-2-1

Mammary Gland

Hyperplasia

Macrophage, Minimal

Note: [ FIBROADENOMA ] TGLs = 1-21

Pancreas

Pituitary Gland

Note: [ ADENOMA ] TGLs = 4-1

Spleen

Dilatation  
Fibroadenoma

Mild

Atrophy  
Adenoma

Focal, Minimal  
Multiple, Two

Note: [ HYPERPLASIA ] TGLs = 2-22

Note: [ HYPERPLASIA ] TGLs = 2-22

Uterus

Endometrium

Hyperplasia  
Hyperplasia

Histiocytic, Moderate  
Lymphoid, Moderate

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Clitoral Gland		Degeneration	Cystic, Moderate
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-21			
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 6-24 [ Hyperplasia TGLS = 7-25 ]			
Mammary Gland		Dilatation	Moderate
		Fibroadenoma	Multiple, Two
Note: [ FIBROADENOMA ] TGLs = 2-22, 3-23 Note: [ DILATATION ] TGLs = 4-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Salivary Glands		Atrophy	Focal, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Epithelium	Hyperplasia	Papillary, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 330

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48198

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Note: [ INFLAMMATION ] TGLs = 2-8			
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-21, 4-22			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48200

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Skeletal Muscle  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver

Degeneration  
Nephropathy  
Focal Cellular Change  
Hematopoietic Cell Proliferation  
Inflammation

Cystic, Moderate  
Minimal  
Mild  
Mild  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 2-22

Nose  
Pancreas  
Pituitary Gland  
Spleen  
Thyroid Gland  
Uterus

Pars Distalis  
  
C Cell  
Endometrium  
  
Endometrium

Inflammation  
Atrophy  
Adenoma  
Hematopoietic Cell Proliferation  
Adenoma  
Hyperplasia  
Inflammation  
Polyp Stromal

Suppurative, Mild  
Focal, Mild  
  
Moderate  
  
Cystic, Mild  
Suppurative, Mild

Note: [ POLYP STROMAL ] TGLs = 1-21

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 5-22			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 3-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-45787

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	Kidney
Lung	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mandibular	Hyperplasia	Moderate
[ Angiectasis TGLS = 2-3 ]			
[ Hyperplasia TGLS = 1-8 ]			
Pituitary Gland		Angiectasis	Mild
[ Angiectasis TGLS = 4-1 ]			
Zymbal's Gland		Carcinoma	
[ Carcinoma TGLS = 3-21 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48202

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Bone		Hyperostosis	Minimal
Brain		Compression	Minimal
Note: [ COMPRESSION ] TGLs = 4-1, 4-1-1			
Clitoral Gland		Degeneration	Cystic, Moderate
		Inflammation	Chronic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Note: [ INFLAMMATION ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 6-22			
Note: [ HDN ] TGLs = 3-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45320

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Mild
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Note: ANGIECTASIS TGLs = 2-1			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48203

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 2-21, 3-22			
Pituitary Gland	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

Note: [ POLYP STROMAL ] TGLs = 1-23

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 430

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 87-45298

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver		Inflammation	Focal, Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-21			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Clitoral Gland

Degeneration

Cystic, Mild

Intestine Large

Colon

Parasite Metazoan

Minimal

Rectum

Parasite Metazoan

Minimal

Kidney

Mineralization

Minimal

Liver

Nephropathy

Minimal

Fatty Change

Minimal

Inflammation

Focal, Mild

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48204

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 5-24			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ HYPERPLASIA ] TGLs = 4-23 [ Hyperplasia TGLS = 1-21, 3-22 ]			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Hyperplasia	Macrophage, Minimal
Note: [ HYPERPLASIA ] TGLs = 2-2-1 [ Hyperplasia TGLS = 2-2-1 ]			
Mammary Gland		Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48205

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Thymus

OBSERVATIONS

Bone  
Kidney  
Liver

Hyperostosis  
Nephropathy  
Angiectasis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Hematopoietic Cell Proliferation  
Hyperplasia  
Hyperplasia  
Inflammation

Moderate  
Mild  
Mild  
Mild  
Minimal  
Focal, Mild  
Mild  
Mild  
Moderate  
Cystic, Moderate  
Suppurative, Minimal

Bile Duct

Mammary Gland  
Spleen  
Thyroid Gland  
Uterus

C Cell  
Endometrium

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48206

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Brain		Compression	Moderate
[ Compression TGLS = 3-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 2-21, 6-22			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 5-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Spleen		Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tongue	Trachea
Urinary Bladder	Uterus		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Adenocarcinoma	Metastatic (Uncertain Primary Site)
	Medulla	Hyperplasia	Minimal
	Cortex	Vacuolization Cytoplasmic	Moderate
Bone		Hyperostosis	Mild
Bone Marrow		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-24			
Kidney		Adenocarcinoma	Metastatic (Uncertain Primary Site)
		Nephropathy	Moderate
Note: [ ADENOCARC ] TGLs = 15-28			
Note: [ NEPHROPATHY ] TGLs = 6-5			
Liver		Adenocarcinoma	Metastatic (Uncertain Primary Site)
		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 8-21			
Note: [ ADENOCARC ] TGLs = 9-22, 10-23, 11-6			
Lung	Mediastinum	Adenocarcinoma	Metastatic (Uncertain Primary Site)
		Adenocarcinoma	Metastatic (Uncertain Primary Site)

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 693

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-46963

ORGAN AND ACCOUNTABLE SITE STATUS

[ Adenocarcinoma TGLS = 14-2-1 ]

Lymph Node	Mediastinal	Angiectasis	Moderate
	Mesenteric	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 5-5			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Mesentery		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Nose		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Ovary		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: [ ADENOCARC ] TGLs = 3-25			
Pancreas		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: [ ADENOCARC ] TGLs = 4-26			
Skeletal Muscle		Adenocarcinoma	Metastatic (Uncertain Primary Site)
Note: [ ADENOCARC ] TGLs = 13-27			
Spleen		Hematopoietic Cell Proliferation	Marked
Tooth	Peridont Tiss	Adenocarcinoma	Metastatic (Uncertain Primary Site)

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45322

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Mild
Mesentery	Fat	Necrosis	Mild
Note: NECROSIS	TGLs = 1-21		
Pituitary Gland		Angiectasis	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48207

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone  
Clitoral Gland  
Kidney  
Liver  
  
Note: [ FOCAL CELL CH ] TGLs = 5-22  
Lung  
[ Hyperplasia TGLS = 3-2-1 ]  
Mammary Gland  
  
Note: [ DILATATION ] TGLs = 4-8  
Note: [ FIBROADENOMA ] TGLs = 1-21  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]  
Thyroid Gland  
Uterus

Pars Distalis  
C Cell  
Endometrium

Hyperostosis  
Degeneration  
Nephropathy  
Focal Cellular Change  
Inflammation  
  
Hyperplasia  
  
Dilatation  
Fibroadenoma  
  
Adenoma  
  
Hyperplasia  
Hydrometra  
Hyperplasia

Moderate  
Cystic, Mild  
Minimal  
Mild  
Focal, Mild  
  
Macrophage, Minimal  
  
Mild  
  
Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Inflammation	Focal, Mild
Bone		Hyperostosis	Minimal
Note: [ HYPEROSTOSIS ] TGLs = 4-22			
Brain		Compression	Mild
[ Compression TGLS = 5-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 7-23			
[ Fibrosis TGLS = 3-21 ]			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Nose		Inflammation	Suppurative, Mild
Ovary		Hyperplasia	Histiocytic, Moderate
		Hyperplasia	Lymphoid, Moderate
		Necrosis	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 2-7			
Note: [ HYPERPLASIA ] TGLs = 2-7			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 346

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48208

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland  
[ Adenoma TGLS = 6-1 ]

Pars Distalis

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48209

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 3-21			
Brain		Glioma Malignant	
[ Glioma Malignant TGLS = 6-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Minimal
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Angiectasis	Minimal
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-5			
Note: [ ANGIECTASIS ] TGLs = 7-8			
Mammary Gland		Dilatation	Mild
		Hyperplasia	Mild
Note: [ DILATATION ] TGLs = 5-8			
Ovary	Follicle	Cyst	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 347

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 710

**DOSE:** 0.3%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48209

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas		Atrophy	Focal, Marked
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 348

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 710

HISTO: 88-48210

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Carcinoma	
		Degeneration	Cystic, Moderate
Note: [ CARCINOMA ] TGLs = 3-23			
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
		Hematopoietic Cell Proliferation	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 6-24, 7-25			
Lung		Hyperplasia	Macrophage, Minimal
		Pigmentation	Minimal
[ Hyperplasia TGLs = 5-2-1 ]			
Mammary Gland		Fibroadenoma	Multiple, Two
Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLs = 4-1 ]			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48211

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Marked
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
[ Hyperplasia TGLS = 4-22 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 3-8			
Note: [ FIBROADENOMA ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-1 ]			
Thyroid Gland	Follicle	Cyst	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-7			
Note: HYPERPLASIA TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48212

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Tongue

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

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Thymus

OBSERVATIONS

Clitoral Gland  
Eye  
  
Note: [ DEGEN ] TGLs = 1-21  
Note: [ CATARACT ] TGLs = 1-21  
Kidney  
Liver  
  
Note: [ FOCAL CELL CH ] TGLs = 2-22  
Nose  
  
Spleen  
  
Thyroid Gland  
Uterus

Retina  
  
  
  
  
  
  
  
  
  
  
Bile Duct  
  
  
  
  
  
  
  
  
  
  
C Cell  
Endometrium  
Endometrium

Degeneration  
Cataract  
Degeneration  
  
  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation  
  
  
Fungus  
Inflammation  
Hyperplasia  
Hyperplasia  
Hyperplasia  
Hyperplasia  
Hyperplasia  
Polyp Stromal

Cystic, Moderate  
Marked  
Marked  
  
  
Mild  
Mild  
Minimal  
Focal, Mild  
  
Mild  
Suppurative, Mild  
Lymphoid, Mild  
Histiocytic, Mild  
Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 352

TRT#: 4

DOSE: 0.3%

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 735

HISTO: 88-48213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Heart

Intestine Small - Duodenum

Lung

Ovary

Skeletal Muscle

Thymus

Urinary Bladder

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Lymph Node - Mandibular

Pancreas

Skin

Thyroid Gland

Uterus

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Lymph Node - Mesenteric

Parathyroid Gland

Spleen

Tongue

Esophagus

Intestine Large - Rectum

Islets, Pancreatic

Nose

Salivary Glands

Stomach - Forestomach

Trachea

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Mild

Medulla

Pheochromocytoma Benign

Bone

Hyperostosis

Moderate

Note: [ HYPEROSTOSIS ] TGLs = 5-24

Clitoral Gland

Degeneration

Cystic, Mild

Hyperplasia

Mild

Kidney

Nephropathy

Moderate

[ Nephropathy TGLS = 3-5 ]

Liver

Focal Cellular Change

Mild

Bile Duct

Hyperplasia

Minimal

Hyperplasia

Multifocal, Mild

Inflammation

Focal, Mild

[ Hyperplasia TGLS = 4-23 ]

[ Inflammation TGLS = 8-25 ]

Mammary Gland

Dilatation

Mild

Fibroadenoma

Multiple, Two

Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 6-1 ]

Stomach

Glandular

Hyperplasia

Lymphoid, Minimal

[ Hyperplasia TGLS = 7-4-1 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 352

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48213

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48214

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Urinary Bladder

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Eye  
Note: [ CATARACT ] TGLs = 1-21  
Kidney  
Liver

Medulla  
  
  
  
  
  
  
Pars Distalis  
  
Endometrium  
Endometrium

Hyperplasia  
Degeneration  
Cataract  
  
Nephropathy  
Focal Cellular Change  
Inflammation  
  
Adenoma  
Hydrometra  
Hyperplasia  
Polyp Stromal

Mild  
Cystic, Mild  
Mild  
  
Minimal  
Mild  
Focal, Minimal  
  
Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 0.3%

DISP: Moribund Sacrifice

HISTO: 88-48215

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	Moderate
[ Compression TGLS = 4-1 ]			
Clitoral Gland		Adenoma	
		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Mild
[ Hyperplasia TGLS = 5-2-1 ]			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 1-8, 1-21			
Note: [ FIBROADENOMA ] TGLs = 2-21			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Urinary Bladder	Transit Epithe	Papilloma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 355

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Lung		Inflammation	Chronic, Minimal
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Nose		Fungus	Mild
		Inflammation	Suppurative, Mild
Pituitary Gland		Cyst	Moderate
	Pars Distalis	Focal Cellular Change	Mild
[ Focal Cellular Change TGLS = 3-1 ]			
Thyroid Gland	C Cell	Adenoma	
Uterus	Endometrium	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48217

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: [ DEGEN ] TGLs = 1-23			
Note: [ CATARACT ] TGLs = 1-23			
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-22			
Mammary Gland		Dilatation	Marked
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-21			
Note: [ DILATATION ] TGLs = 4-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 356

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48217

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 0.3%

DISP: Scheduled Sacrifice

HISTO: 87-45324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Moderate
Note: HYPEROSTOSIS	TGLs = 4-22		
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Mild
		Nephropathy	Moderate
Liver		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Minimal
[ Inflammation TGLS = 2-21 ]			
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 3-3		
Pituitary Gland		Angiectasis	Mild
Note: ANGIECTASIS	TGLs = 5-1		
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: POLYP STROMAL	TGLs = 1-7		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

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

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

MISSING

Intestine Large - Rectum

OBSERVATIONS

Brain

Compression

Mild

[ Compression TGLS = 6-1 ]

Clitoral Gland

Degeneration

Cystic, Mild

Squamous Cell Papilloma

Note: [ DEGEN ] TGLs = 3-8

Note: [ PAPILOMA SQUA ] TGLs = 3-8

Kidney

Nephropathy

Mild

Liver

Biliar Tract

Fibrosis

Mild

Focal Cellular Change

Mild

Bile Duct

Hyperplasia

Mild

Infiltration Cellular

Mixed Cell, Mild

Inflammation

Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 5-22

Mammary Gland

Dilatation

Mild

Fibroadenoma

Note: [ DILATATION ] TGLs = 2-8

Note: [ FIBROADENOMA ] TGLs = 1-21

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 4-1 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 358

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.3%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48218

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

Endometrium

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 7-7-1

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
		Necrosis	Focal, Mild
Note: [ HYPERPLASIA ] TGLs = 3-22			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Note: [ DILATATION ] TGLs = 2-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 735

DOSE: 0.3%

DISP: Terminal Sacrifice

HISTO: 88-48220

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Spleen  
Tongue

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

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

**MISSING**

Thymus

**OBSERVATIONS**

Clitoral Gland  
Kidney  
Liver

Degeneration  
Nephropathy  
Focal Cellular Change  
Infiltration Cellular  
Inflammation

Cystic, Moderate  
Mild  
Mild  
Mixed Cell, Mild  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 1-21

Nose  
Uterus

Endometrium

Inflammation  
Hyperplasia

Suppurative, Minimal  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 361

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Minimal
Note: [ DEGEN ] TGLs = 2-8, 2-8-1			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 3-8			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland		Cyst	Minimal
	Pars Distalis	Focal Cellular Change	Minimal
[ Focal Cellular Change TGLS = 1-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-6 ]			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Brain		Compression	Moderate
[ Compression TGLS = 5-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 1-8			
Note: [ FIBROADENOMA ] TGLs = 3-21			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Note: [ HYPERPLASIA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45286

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Adrenal Gland  
Clitoral Gland  
Note: [ DEGEN ] TGLs = 1-21  
Kidney  
Liver  
Uterus

Cortex  
  
  
  
  
Endometrium

Focal Cellular Change  
Degeneration  
  
Mineralization  
Inflammation  
Hyperplasia

Minimal  
Cystic, Mild  
  
Mild  
Focal, Minimal  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 700

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-47034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tongue	Trachea

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Medulla	Pheochromocytoma Benign	
Note: [ CONGESTION ] TGLs = 4-10			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Note: [ HEPATOCLR ADEN ] TGLs = 6-21			
Note: [ HDN ] TGLs = 7-22			
Note: [ FATTY CHANGE ] TGLs = 5-6			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Hyperplasia	Macrophage, Minimal
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 9-2			
[ Leukemia Mononuclear TGLS = 9-2 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:16  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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<b>ANIMAL ID:</b> 365	<b>TRT#:</b> 6 <b>DOSE:</b> 0.6%	<b>SEX:</b> Female <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 700 <b>HISTO:</b> 88-47034
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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Mammary Gland		Dilatation Hyperplasia	Moderate Mild
Note: [ DILATATION ] TGLs = 1-8			
Ovary		Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild
		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
Note: [ ADENOMA ] TGLs = 8-1			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Urinary Bladder		Leukemia Mononuclear	
Uterus		Leukemia Mononuclear	

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Brain  
[ Compression TGLS = 2-1 ]  
Clitoral Gland  
Kidney  
Liver  
  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-21, 4-8  
Nose  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 3-1 ]

Biliar Tract  
  
Bile Duct  
  
  
Pars Distalis

Compression  
  
Degeneration  
Nephropathy  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
  
Inflammation  
Atrophy  
Adenoma  
  
Mild  
  
Cystic, Moderate  
Minimal  
Minimal  
Mild  
Mild  
Mild  
Mild  
Focal, Mild  
Mild  
  
Suppurative, Minimal  
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Minimal
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 4-21			
Note: [ FOCAL CELL CH ] TGLs = 3-6			
Pancreas		Atrophy	Focal, Moderate
	Duct	Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Hydrometra	Minimal
	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: [ HYDROMETRA ] TGLs = 1-7			
Note: [ POLYP STROMAL ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 367

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 87-44658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney	Pelvis	Dilatation	Mild
	Renal Tubule	Dilatation	Mild
Note: DILATATION TGLs = 3-21 [ Dilatation TGLS = 3-21 ]			
Liver		Inflammation	Focal, Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Dilatation	Moderate
	Lumen	Exudate	Moderate
	Epithelium	Hyperplasia	Papillary, Moderate
		Inflammation	Suppurative, Mild
	Endometrium	Sarcoma Stromal	
Note: SARC STROMAL TGLs = 2-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 369

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Lymph Node - Mesenteric	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 4-22			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Nose		Inflammation	Suppurative, Minimal
Ovary	Follicle	Cyst	Minimal
Pituitary Gland		Angiectasis	Marked
Note: [ ANGIECTASIS ] TGLs = 3-1			
Skin	Subcut Tiss	Fibroma	
Note: [ FIBROMA ] TGLs = 1-21			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM MAL ] TGLs = 1-21	Medulla	Pheochromocytoma Malignant	
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Focal Cellular Change	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 371

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Heart  
Intestine Small - Ileum  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Ovary  
Skin  
Thyroid Gland

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 4-9

Hyperostosis  
Mild

Bone Marrow  
Clitoral Gland  
Note: [ DEGEN ] TGLs = 8-8

Leukemia Mononuclear  
Degeneration  
Cystic, Moderate

Intestine Large  
Kidney  
Liver  
Bile Duct  
Note: [ LEUKEMIA MONUC ] TGLs = 3-6, 7-22

Colon  
Centrilobular  
Biliar Tract  
Parasite Metazoan  
Nephropathy  
Atrophy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear  
Necrosis  
Minimal  
Minimal  
Mild  
Mild  
Mild  
Mild  
Multifocal, Mild  
Focal, Minimal

Lung  
[ Leukemia Mononuclear TGLS = 6-21 ]

Leukemia Mononuclear

Lymph Node  
Mammary Gland  
Pancreas  
Pituitary Gland  
Mesenteric

Leukemia Mononuclear  
Dilatation  
Atrophy  
Angiectasis  
Cyst  
Mild  
Focal, Mild  
Mild  
Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 371

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48148

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ANGIECTASIS ] TGLs = 5-1

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-6

Note: [ FIBROSIS ] TGLs = 2-21

Uterus

Endometrium

Hyperplasia

Cystic, Moderate

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 372

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45287

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Mineralization	Minimal
Liver		Inflammation	Focal, Mild
Lymph Node	Mesenteric	Depletion Lymphoid	Mild
Pancreas		Atrophy	Focal, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 373

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Kidney  
Liver

Medulla  
  
  
  
  
  
Bile Duct

Ganglioneuroma  
Degeneration  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Mild  
Mild  
Minimal  
Mild  
Minimal  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 2-21

Mammary Gland

Note: [ DILATATION ] TGLs = 1-8

Pituitary Gland  
Thyroid Gland

Pars Distalis  
C Cell

Dilatation  
  
  
Adenoma  
Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:16

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 374

TRT#: 6

SEX: Female

DAY ON TEST: 707

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-47077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Brain [ Compression TGLS = 3-1 ]		Compression	Moderate
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fatty Change	Minimal
		Fibrosis	Minimal
	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Mammary Gland [ Dilatation TGLS = 5-8 ]		Dilatation	Moderate
		Hyperplasia	Mild
Mesentery [ Necrosis TGLS = 1-21 ]	Fat	Necrosis	Mild
Nose		Inflammation	Suppurative, Mild
Ovary	Follicle	Cyst	Mild
		Hyperplasia	Lymphoid, Mild
		Hyperplasia	Histiocytic, Mild
Pituitary Gland [ Adenoma TGLS = 2-1 ]	Pars Distalis	Adenoma	
Thyroid Gland	C Cell	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:16

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 374

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 707

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47077

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Salivary Glands
Skeletal Muscle	Skin	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-10			
Note: [ LEUKEMIA MONUC ] TGLs = 10-10			
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 15-25			
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Marked
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 11-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-46961

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic  
Renal

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 12-23  
Note: [ LEUKEMIA MONUC ] TGLs = 13-24  
Note: [ LEUKEMIA MONUC ] TGLs = 3-8  
Note: [ LEUKEMIA MONUC ] TGLs = 9-22

Mammary Gland

Dilatation

Mild

Note: [ DILATATION ] TGLs = 2-8

Mesentery

Leukemia Mononuclear

Ovary

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Parathyroid Gland

Cyst

Mild

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 16-1 ]

Spleen

Fibrosis

Mild

Leukemia Mononuclear

Note: [ FIBROSIS ] TGLs = 8-21

Note: [ LEUKEMIA MONUC ] TGLs = 7-6-1

Stomach

Glandular  
Forestomach, Mucosa  
Forestomach  
Forestomach

Edema

Mild

Hyperplasia

Mild

Inflammation

Chronic, Moderate

Ulcer

Moderate

Note: [ ULCER ] TGLs = 18-4-1

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 14-3

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Brain

Compression

Moderate

[ Compression TGLS = 3-1 ]

Clitoral Gland

Degeneration

Cystic, Mild

Intestine Large

Colon

Parasite Metazoan

Minimal

Kidney

Nephropathy

Mild

Liver

Focal Cellular Change

Mild

Inflammation

Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 4-21

Mammary Gland

Dilatation

Mild

Note: [ DILATATION ] TGLs = 1-8

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 2-1 ]

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 377

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 3-6			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Fibrosis	Mild
		Hyperplasia	Mild
Note: [ FIBROADENOMA ] TGLs = 2-22			
Note: [ FIBROSIS ] TGLs = 1-21			
Note: [ HYPERPLASIA ] TGLs = 1-21			
Note: [ DILATATION ] TGLs = 1-21			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 378

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Moderate
		Cholangiocarcinoma	
	Biliar Tract	Fibrosis	Marked
	Bile Duct	Hyperplasia	Marked
		Inflammation	Focal, Moderate
		Leukemia Mononuclear	
Note: [ CHOLANGIOCARC ] TGLs = 6-6, 6-24, 7-23			
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 2-21			
Pituitary Gland		Cyst	Mild
[ Cyst TGLs = 9-1 ]			
Skin		Hyperkeratosis	Focal, Mild
Note: [ HYPERKERATOSIS ] TGLs = 1-25			
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Note: [ FIBROSIS ] TGLs = 4-22			
Thyroid Gland	C Cell	Adenoma	
Tongue		Squamous Cell Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

---

**ANIMAL ID:** 378

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48152

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ SQUAM CEL CARC ] TGLs = 8-26

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Bone

Hyperostosis

Mild

Note: [ HYPEROSTOSIS ] TGLs = 1-22

Kidney

Nephropathy

Mild

Liver

Angiectasis

Mild

Focal Cellular Change

Mild

Hyperplasia

Multifocal, Mild

Inflammation

Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 3-6

[ Inflammation TGLS = 3-21 ]

Pituitary Gland

Angiectasis

Mild

[ Angiectasis TGLS = 2-1 ]

Thyroid Gland

C Cell

Adenoma

[ Adenoma TGLS = 4-3 ]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48154

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver

Degeneration  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Inflammation

Cystic, Mild  
Mild  
Minimal  
Mild  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 2-22

Mammary Gland

Dilatation  
Fibroadenoma

Mild

Note: [ FIBROADENOMA ] TGLs = 1-21

Pancreas  
Pituitary Gland

Atrophy  
Cyst  
Focal Cellular Change

Focal, Mild  
Minimal  
Mild

Thyroid Gland  
Uterus

Pars Distalis  
C Cell  
Endometrium

Hyperplasia  
Hyperplasia

Minimal  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48155

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Mild
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 2-22			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-1			
Thyroid Gland	C Cell	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48156

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 5-22			
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8-1			
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 4-21, 7-23			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 2-7-1			
Vagina		Cyst	Mild
Note: [ CYST ] TGLs = 3-7-1			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 383

TRT#: 6

DOSE: 0.6%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 521

HISTO: 88-45646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	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
Nose	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland Note: [ CONGESTION ] TGLs = 7-10	Cortex	Congestion	Mild
Bone	Adventitia, Mandible	Inflammation	Chronic, Mild
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver Note: [ LEUKEMIA MONUC ] TGLs = 8-6	Centrilobular	Atrophy	Mild
Lung Note: [ HEMORRHAGE ] TGLs = 9-2, 9-2-1		Leukemia Mononuclear	
Lymph Node	Mandibular	Hemorrhage	Minimal
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland Note: [ LEUKEMIA MONUC ] TGLs = 10-3 [ Leukemia Mononuclear TGLS = 3-8-1 ] [ Leukemia Mononuclear TGLS = 5-7-1 ]		Hyperplasia	Mild
Mesentery		Leukemia Mononuclear	
Ovary Note: [ LEUKEMIA MONUC ] TGLs = 4-7		Leukemia Mononuclear	
Pancreas		Atrophy	Focal, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

---

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 521

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-45646

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Leukemia Mononuclear

Spleen

Cyst

Mild

Note: [ LEUKEMIA MONUC ] TGLs = 6-6-1

Leukemia Mononuclear

Thyroid Gland

Follicular Cel

Hyperplasia

Minimal

Tooth

Incisor

Dysplasia

Moderate

---

Note: [ DYSPLASIA ] TGLs = 1-9-1

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver

Biliar Tract

Bile Duct

Degeneration  
Nephropathy  
Fatty Change  
Fibrosis  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Hyperplasia  
Inflammation

Cystic, Moderate  
Minimal  
Minimal  
Minimal  
Mild  
Moderate  
Minimal  
Multifocal, Mild  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 4-23

Note: [ HYPERPLASIA ] TGLs = 3-22

[ Fatty Change TGLS = 2-21 ]

Mammary Gland

Note: [ DILATATION ] TGLs = 1-8

Nose

Pituitary Gland

Dilatation

Inflammation

Angiectasis

Mild

Suppurative, Minimal

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Mineralization	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: ANGIECTASIS    TGLs = 1-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48158

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 1-21			
Note: [ HYPERPLASIA ] TGLs = 2-22			
Mammary Gland		Dilatation	Mild
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 3-6			
Nose		Inflammation	Suppurative, Mild
Pancreas		Atrophy	Focal, Mild
	Acinar Cell	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
Vagina		Basal Cell Adenoma	
Note: [ BASAL CEL ADEN ] TGLs = 2-21			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45289

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Intestine Large	Rectum	Parasite Metazoan	Minimal
Kidney		Mineralization	Minimal
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Mammary Gland		Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 389

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48160

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-21			
Lung	Alveolar Epith	Hyperplasia	Minimal
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Nose		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 1-8			
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-6			
Lung	Alveolar Epith	Hyperplasia	Mild
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48162

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

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

Ovary

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Tongue

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Bone

Hyperostosis

Minimal

Note: [ HYPEROSTOSIS ] TGLs = 3-22

Clitoral Gland

Adenoma

Degeneration

Cystic, Moderate

Note: [ ADENOMA ] TGLs = 1-8

Note: [ DEGEN ] TGLs = 1-8

Intestine Large

Colon

Parasite Metazoan

Minimal

Kidney

Nephropathy

Mild

Liver

Focal Cellular Change

Mild

Nose

Inflammation

Focal, Minimal

Fungus

Mild

Inflammation

Suppurative, Mild

Pancreas

Atrophy

Focal, Minimal

Pituitary Gland

Pars Distalis

Adenoma

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48163

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus

Blood  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Spleen  
Tongue

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Brain  
[ Compression TGLS = 3-1 ]  
Clitoral Gland  
Kidney  
Liver  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Nose  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]  
Thyroid Gland  
Uterus

Pars Distalis  
Follicular Cel  
Endometrium

Astrocytoma Malignant  
Compression  
Moderate  
Degeneration  
Nephropathy  
Focal Cellular Change  
Inflammation  
Dilatation  
Mild  
Inflammation  
Atrophy  
Adenoma  
Adenoma  
Ultimobranchial Cyst  
Hyperplasia  
Cystic, Moderate  
Mild  
Mild  
Focal, Minimal  
Mild  
Suppurative, Minimal  
Focal, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48164

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**OBSERVATIONS**

Adrenal Gland	Cortex	Focal Cellular Change	Moderate
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Polyp Stromal	

Note: [ POLYP STROMAL ] TGLs = 2-7-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48165

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
	Cortex	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Mild
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-21			
Note: [ DEGEN ] TGLs = 1-21			
Kidney		Cyst	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12-5			
Note: [ CYST ] TGLs = 10-5-1, 11-5-1			
Liver		Fatty Change	Minimal
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 13-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 16-2, 16-2-2, 19-2-1 ]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48165

ORGAN AND ACCOUNTABLE SITE STATUS

Inguinal	Leukemia Mononuclear
Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-24  
 [ Leukemia Mononuclear TGLS = 15-3 ]  
 [ Leukemia Mononuclear TGLS = 7-7-1 ]  
 [ Leukemia Mononuclear TGLS = 14-5 ]  
 [ Leukemia Mononuclear TGLS = 17-25 ]  
 [ Leukemia Mononuclear TGLS = 3-8 ]

Mammary Gland

Dilatation  
Fibroadenoma

Mild  
Multiple, Two

Note: [ FIBROADENOMA ] TGLs = 4-22, 5-23  
 Note: [ DILATATION ] TGLs = 2-8

Mesentery  
Nose

Leukemia Mononuclear  
Fungus  
Inflammation

Moderate  
Suppurative, Moderate

Pancreas  
Spleen

Atrophy  
Leukemia Mononuclear

Focal, Minimal

Note: [ LEUKEMIA MONUC ] TGLs = 8-6-1  
 Thymus  
 Note: [ LEUKEMIA MONUC ] TGLs = 18-3

Leukemia Mononuclear  
  
Leukemia Mononuclear

Uterus

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48166

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

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

Ovary

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Bone

Hyperostosis

Mild

Note: [ HYPEROSTOSIS ] TGLs = 3-21

Brain

Compression

Mild

[ Compression TGLS = 4-1 ]

Clitoral Gland

Degeneration

Cystic, Marked

Hyperplasia

Mild

Note: [ DEGEN ] TGLs = 2-8

Kidney

Nephropathy

Mild

Liver

Focal Cellular Change

Mild

Bile Duct

Hyperplasia

Minimal

Infiltration Cellular

Mixed Cell, Mild

Inflammation

Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 6-22

Mammary Gland

Dilatation

Mild

Note: [ DILATATION ] TGLs = 1-8

Nose

Inflammation

Suppurative, Mild

Pancreas

Atrophy

Focal, Mild

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 5-1 ]

Uterus

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 396

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45290

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Clitoral Gland  
Note: [ DEGEN ] TGLs = 1-8  
Harderian Gland  
Kidney  
Liver  
Uterus

Endometrium

Degeneration  
Dilatation  
Mineralization  
Inflammation  
Hyperplasia

Cystic, Mild  
Focal, Mild  
Mild  
Focal, Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48167

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Ovary  
Skin  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Stomach - Glandular

OBSERVATIONS

Bone Marrow  
Clitoral Gland  
Kidney  
Liver

Centrilobular  
Biliar Tract  
  
Bile Duct

Leukemia Mononuclear  
Degeneration  
Nephropathy  
Atrophy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Cystic, Mild  
Mild  
Mild  
Mild  
Mild  
Mild  
Multifocal, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Note: [ FOCAL CELL CH ] TGLs = 3-21

Lung  
Lymph Node

Mediastinal

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Pancreas  
Pituitary Gland

Pars Distalis  
Pars Intermed

Atrophy  
Adenoma  
Adenoma

Focal, Mild

[ Adenoma TGLS = 5-1 ]

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-6

Thymus  
Thyroid Gland

C Cell

Leukemia Mononuclear  
Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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<b>ANIMAL ID:</b> 397	<b>TRT#:</b> 6 <b>DOSE:</b> 0.6%	<b>SEX:</b> Female <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 735 <b>HISTO:</b> 88-48167
<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
Uterus	C Cell Endometrium	Hyperplasia Hyperplasia	Mild Cystic, Mild
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45291

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Kidney  
Liver  
  
Pancreas  
Pituitary Gland  
Uterus

Bile Duct

Endometrium

Mineralization  
Hyperplasia  
Inflammation  
Atrophy  
Cyst  
Hyperplasia  
Inflammation

Mild  
Minimal  
Focal, Minimal  
Focal, Minimal  
Minimal  
Cystic, Mild  
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48168

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 4-22  
Clitoral Gland  
Kidney  
Liver  
Lung  
Note: [ LEUKEMIA MONUC ] TGLs = 2-2  
Mammary Gland  
Pituitary Gland  
Spleen  
Note: [ LEUKEMIA MONUC ] TGLs = 1-6  
Uterus  
Note: [ POLYP STROMAL ] TGLs = 3-21

Centrilobular  
Biliar Tract  
Bile Duct  
Pars Distalis  
Endometrium  
Endometrium

Hyperostosis  
Degeneration  
Nephropathy  
Atrophy  
Fibrosis  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear  
Dilatation  
Adenoma  
Leukemia Mononuclear  
Hyperplasia  
Polyp Stromal

Moderate  
Cystic, Moderate  
Minimal  
Minimal  
Minimal  
Multifocal, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Compression	Moderate
[ Compression TGLS = 3-1 ]			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 4-21			
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
		Dilatation	Mild
Mammary Gland			
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Intermed	Carcinoma	
[ Carcinoma TGLS = 2-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-22			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 401

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Tongue

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

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Thymus  
Urinary Bladder

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

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Kidney  
Liver

Cortex  
  
Biliar Tract  
  
Bile Duct

Focal Cellular Change  
Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Leukemia Mononuclear  
Dilatation  
Fibroadenoma

Mild  
Cystic, Mild  
Minimal  
Minimal  
Mild  
Minimal  
  
Mild

Mammary Gland

Note: [ FIBROADENOMA ] TGLs = 2-21

Note: [ DILATATION ] TGLs = 1-8

Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Kidney  
Liver

Cortex

Focal Cellular Change  
Degeneration  
Nephropathy  
Fatty Change

Minimal  
Cystic, Mild  
Minimal  
Minimal

Biliar Tract

Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation

Minimal  
Mild  
Minimal  
Focal, Minimal

Bile Duct

Note: [ FOCAL CELL CH ] TGLs = 3-22  
Mammary Gland

Dilatation  
Fibroadenoma

Mild

Note: [ FIBROADENOMA ] TGLs = 1-21  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]

Pars Distalis

Adenoma

Thymus

Leiomyoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48172

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

**OBSERVATIONS**

Adrenal Gland  
Clitoral Gland  
Kidney  
Liver

Cortex

Focal Cellular Change  
Degeneration  
Nephropathy  
Focal Cellular Change

Minimal  
Cystic, Mild  
Minimal  
Mild

Bile Duct

Hyperplasia  
Atrophy

Minimal  
Focal, Minimal

Pancreas  
Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 1-1 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 404

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 457

**DOSE:** 0.6%

**DISP:** Scheduled Sacrifice

**HISTO:** 87-45292

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Clitoral Gland  
Kidney  
Liver

Thyroid Gland  
Uterus

C Cell  
Endometrium

Degeneration  
Mineralization  
Infiltration Cellular  
Inflammation  
Hyperplasia  
Hyperplasia

Cystic, Mild  
Minimal  
Mixed Cell, Mild  
Focal, Mild  
Minimal  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48173

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Spleen  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Glandular  
Trachea

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8  
Eye  
Note: [ HEMORRHAGE ] TGLs = 1-21  
Note: [ DEGEN ] TGLs = 1-21  
Note: [ CATARACT ] TGLs = 1-21  
Kidney  
Liver  
Note: [ ANGIECTASIS ] TGLs = 6-23  
Note: [ FOCAL CELL CH ] TGLs = 7-24  
Mammary Gland  
Pancreas  
Pituitary Gland  
[ Angiectasis TGLS = 4-1 ]

Retina  
Biliar Tract  
Bile Duct  
Pars Distalis

Degeneration  
Cataract  
Degeneration  
Hemorrhage  
Nephropathy  
Angiectasis  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Atrophy  
Angiectasis  
Focal Cellular Change

Cystic, Mild  
Minimal  
Moderate  
Moderate  
Minimal  
Mild  
Minimal  
Mild  
Minimal  
Focal, Mild  
Mild  
Focal, Minimal  
Moderate  
Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 405

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 735

**DOSE:** 0.6%

**DISP:** Terminal Sacrifice

**HISTO:** 88-48173

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skin  
Note: [ FIBROMA ] TGLs = 3-22

Subcut Tiss

Fibroma

Stomach

Forestomach

Inflammation

Chronic, Mild

Forestomach

Ulcer

Mild

Note: [ ULCER ] TGLs = 5-4-1

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 6

SEX: Female

DAY ON TEST: 592

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-45822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Lung  
Parathyroid Gland  
Spleen  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Skeletal Muscle  
Thyroid Gland

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Skin  
Tongue

MISSING

Thymus

OBSERVATIONS

Blood Vessel

Artery, Thoracic  
Artery, Thoracic  
Mesent Artery

Aneurysm  
Inflammation  
Inflammation

Marked  
Chronic, Moderate  
Chronic, Marked

Note: [ ANEURYSM ] TGLs = 5-24  
Note: [ INFLAMMATION ] TGLs = 4-23, 6-7

Bone  
Clitoral Gland  
Intestine Small

Jejunum  
Jejunum  
Jejunum

Hyperostosis  
Degeneration  
Dilatation  
Inflammation  
Ulcer

Minimal  
Cystic, Moderate  
Marked  
Chronic, Moderate  
Marked

Note: [ ULCER ] TGLs = 2-22  
Note: [ DILATATION ] TGLs = 8-4  
Note: [ INFLAMMATION ] TGLs = 3-22

Kidney

Papilla

Necrosis  
Nephropathy  
Fatty Change  
Inflammation  
Hyperplasia

Moderate  
Moderate  
Minimal  
Focal, Minimal  
Moderate

Liver

Lymph Node

Mesenteric

Note: [ HYPERPLASIA ] TGLs = 10-5

Mammary Gland

Dilatation

Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 406

TRT#: 6

SEX: Female

DAY ON TEST: 592

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-45822

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Dilatation TGLS = 1-21 ] [ Hyperplasia TGLS = 1-21 ]		Hyperplasia	Moderate
Mesentery		Inflammation	Chronic, Moderate
Nose		Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 11-1			
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Inflammation	Chronic, Moderate
	Forestomach	Ulcer	Moderate
Note: [ HYPERPLASIA ] TGLs = 12-4 Note: [ INFLAMMATION ] TGLs = 12-4			
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
Note: [ HYPERPLASIA ] TGLs = 9-7			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48174

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
Bone Marrow		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Degeneration	Cystic, Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Note: [ HYPERPLASIA ] TGLs = 5-22			
Lung		Hemorrhage	Minimal
	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[ Hemorrhage TGLS = 4-2 ]			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Nose		Fungus	Minimal
		Inflammation	Suppurative, Minimal
Pancreas		Atrophy	Focal, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 407

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 0.6%

**DISP:** Moribund Sacrifice

**HISTO:** 88-48174

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Thymus

Leukemia Mononuclear

Thyroid Gland

Ultimobranchial Cyst

Minimal

Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 5-23  
Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8  
Kidney  
Liver  
  
Note: [ FOCAL CELL CH ] TGLs = 4-22  
[ Inflammation TGLS = 3-21 ]  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Pituitary Gland  
[ Cyst TGLS = 6-1 ]

Hyperostosis Mild  
Degeneration Cystic, Mild  
Nephropathy Minimal  
Focal Cellular Change Mild  
Hepatodiaphragmatic Nodule Mild  
Inflammation Focal, Minimal  
  
Dilatation Mild  
  
Cyst Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45317

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thyroid Gland  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Bone  
Clitoral Gland  
    Note: [ DEGEN     ] TGLs = 1-8-1  
Kidney  
  
Liver  
Pancreas  
Pituitary Gland  
Spleen  
    Note: HEMA CELL PROL   TGLs = 2-6

Hyperostosis  
Degeneration  
  
Mineralization  
Nephropathy  
Inflammation  
Atrophy  
Cyst  
Hematopoietic Cell Proliferation

Mild  
Cystic, Mild  
  
Minimal  
Minimal  
Focal, Minimal  
Focal, Minimal  
Mild  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48176

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Urinary Bladder

**OBSERVATIONS**

Clitoral Gland  
Intestine Large  
Kidney  
Liver

Colon  
Biliar Tract  
Bile Duct

Degeneration  
Parasite Metazoan  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Minimal  
Mild  
Minimal  
Minimal  
Mild  
Minimal  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 1-21, 2-22

Pituitary Gland  
Uterus

Pars Distalis  
Endometrium

Cyst  
Focal Cellular Change  
Hyperplasia

Mild  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 411

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48177

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Thymus  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland  
Uterus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

OBSERVATIONS

Brain  
[ Compression TGLS = 3-1 ]  
Clitoral Gland  
Kidney  
Liver  
  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]  
Spleen

Bile Duct  
  
  
Pars Distalis

Compression  
Moderate  
  
Degeneration  
Cystic, Mild  
Nephropathy  
Mild  
Degeneration  
Cystic, Mild  
Focal Cellular Change  
Mild  
Hematopoietic Cell Proliferation  
Mild  
Hyperplasia  
Minimal  
Inflammation  
Focal, Mild  
Dilatation  
Mild  
  
Adenoma  
  
Hematopoietic Cell Proliferation  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 412

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48178

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skin  
Thyroid Gland

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Spleen  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Clitoral Gland  
Kidney  
Liver

Degeneration  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Moderate  
Minimal  
Mild  
Minimal  
Focal, Mild

Bile Duct

Dilatation  
Cyst

Mild  
Moderate

Note: [ FOCAL CELL CH ] TGLs = 2-21

Mammary Gland  
Ovary

Periovarn Tiss

Note: [ CYST ] TGLs = 1-7

Pancreas  
Pituitary Gland  
Thymus  
Uterus

Pars Distalis  
Endometrium

Atrophy  
Adenoma  
Cyst  
Hyperplasia

Focal, Minimal  
Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Nose	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tongue	Trachea	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Minimal
Heart		Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLs = 7-22, 8-23 ]			
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-3			
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Mammary Gland		Fibroadenoma	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 727

DOSE: 0.6%

DISP: Moribund Sacrifice

HISTO: 88-48179

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ FIBROADENOMA ] TGLs = 1-21		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-21			
Mesentery		Leukemia Mononuclear	
Ovary		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-24			
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[ Adenoma TGLS = 6-1 ]			
[ Leukemia Mononuclear TGLS = 6-1 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Thymus		Leukemia Mononuclear	
Thyroid Gland		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-25			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skin  
Thymus  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Spleen  
Tongue

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

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver

Sarcoma  
Nephropathy  
Focal Cellular Change  
Inflammation  
Dilatation  
Fibroadenoma

Minimal  
Mild  
Focal, Minimal  
Mild

Mammary Gland

Note: [ DILATATION ] TGLs = 2-8  
Note: [ FIBROADENOMA ] TGLs = 1-21

Nose  
Pancreas  
Pituitary Gland  
Thyroid Gland

Pars Distalis  
C Cell  
Follicular Cel

Inflammation  
Atrophy  
Adenoma  
Adenoma  
Carcinoma

Suppurative, Minimal  
Focal, Minimal

Note: [ CARCINOMA ] TGLs = 3-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 415

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45318

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Kidney  
Liver

Biliar Tract  
Bile Duct

Pancreas  
Pituitary Gland  
Uterus

Pars Distalis  
Endometrium

Mineralization  
Fatty Change  
Fibrosis  
Hyperplasia  
Inflammation  
Atrophy  
Focal Cellular Change  
Hyperplasia

Mild  
Minimal  
Minimal  
Mild  
Focal, Mild  
Focal, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 416

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48181

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8

Kidney  
Liver

Biliar Tract

Degeneration  
Nephropathy  
Degeneration  
Fibrosis  
Focal Cellular Change  
Inflammation

Cystic, Moderate  
Mild  
Cystic, Minimal  
Minimal  
Mild  
Focal, Minimal

Note: [ FOCAL CELL CH ] TGLs = 7-24

Mammary Gland

Dilatation  
Fibroadenoma  
Hyperplasia

Moderate  
Multiple, Two  
Moderate

Note: [ FIBROADENOMA ] TGLs = 3-21, 4-22, 5-23

Note: [ DILATATION ] TGLs = 1-8

Pancreas  
Pituitary Gland  
Uterus

Pars Distalis

Atrophy  
Adenoma  
Hydrometra

Focal, Minimal  
Mild

Note: [ HYDROMETRA ] TGLs = 6-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48182

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 2-22			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 1-21			
Pituitary Gland	Pars Distalis	Focal Cellular Change	Mild
[ Focal Cellular Change TGLS = 3-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48183

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Uterus		Hydrometra	Minimal
	Endometrium	Hyperplasia	Cystic, Mild

Note: [ HYDROMETRA ] TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 0.6%

DISP: Terminal Sacrifice

HISTO: 88-48184

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 2-9, 3-21

Hyperostosis  
Mild

Clitoral Gland  
Kidney  
Liver  
Biliar Tract  
Bile Duct  
Note: [ FOCAL CELL CH ] TGLs = 6-22  
Lung  
[ Hyperplasia TGLS = 1-21 ]  
[ Inflammation TGLS = 1-2-1 ]

Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Hyperplasia  
Inflammation  
Cystic, Mild  
Mild  
Minimal  
Mild  
Mild  
Focal, Minimal  
Minimal  
Chronic, Minimal

Mammary Gland  
Note: [ ADENOCARC ] TGLs = 5-8  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 4-1 ]  
Uterus

Adenocarcinoma  
Dilatation  
Atrophy  
Adenoma  
Hyperplasia  
Cystic, Minimal  
Mild  
Focal, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 0.6%

DISP: Scheduled Sacrifice

HISTO: 87-45319

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Clitoral Gland  
Liver  
Pituitary Gland  
Uterus

Pars Distalis  
Endometrium

Degeneration  
Inflammation  
Focal Cellular Change  
Hyperplasia

Cystic, Mild  
Focal, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 421

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Spleen  
Thyroid Gland  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Bone  
Clitoral Gland  
Kidney  
Liver  
  
Note: [ HYPERPLASIA ] TGLs = 3-21  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Nose  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]

Hyperostosis  
Degeneration  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation  
  
Dilatation  
  
Inflammation  
Atrophy  
Adenoma

Mild  
Cystic, Mild  
Mild  
Minimal  
Multifocal, Mild  
Focal, Mild  
  
Mild  
  
Suppurative, Minimal  
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 423

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 2-8

Intestine Large  
Kidney  
Liver

Rectum  
Biliar Tract  
Bile Duct

Degeneration  
Parasite Metazoan  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Inflammation

Cystic, Moderate  
Minimal  
Minimal  
Minimal  
Minimal  
Minimal  
Multifocal, Minimal  
Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 4-21

Nose  
Pituitary Gland  
[ Adenoma TGLS = 3-1 ]

Pars Distalis

Thyroid Gland  
Uterus

C Cell

Inflammation  
Adenoma  
Adenoma  
Adenomyosis  
Hyperplasia

Suppurative, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 424

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone Marrow	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 - Mesenteric	Mesentery	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Mild
Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 6-24			
Brain		Compression	Mild
Note: [ COMPRESSION ] TGLs = 8-1			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ HEPATOCLR ADEN ] TGLs = 5-23			
Lymph Node	Mandibular	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 2-8			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Dilatation TGLS = 1-8 ]			
[ Hyperplasia TGLS = 3-21 ]			
Nose		Inflammation	Suppurative, Mild
Ovary	Follicle	Cyst	Minimal
Pancreas	Acinar Cell	Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 4-22			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 424

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 658

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46451

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 7-1

Uterus

Endothelium

Polyp Stromal

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 425

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
	Bile Duct	Hepatocellular Adenoma	
		Hyperplasia	Minimal
Note: [ FOCAL CELL CH ] TGLs = 8-24		Inflammation	Focal, Minimal
[ Inflammation TGLS = 5-22 ]			
Mammary Gland		Dilatation	Minimal
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 1-8			
Note: [ FIBROADENOMA ] TGLs = 3-21			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 4-23			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Moderate
[ Adenoma TGLS = 6-1 ]			
[ Cyst TGLS = 7-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 425

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47611

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Follicular Cel

Hyperplasia

Minimal

Endometrium

Hyperplasia

Cystic, Minimal

---

**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45276

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

**OBSERVATIONS**

Clitoral Gland  
Kidney  
Liver  
  
Pancreas  
Pituitary Gland  
Uterus

Bile Duct

Endometrium

Degeneration  
Mineralization  
Hyperplasia  
Inflammation  
Atrophy  
Cyst  
Hyperplasia

Cystic, Mild  
Minimal  
Minimal  
Focal, Minimal  
Focal, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	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
Ovary	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tongue	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Compression	Moderate
Note: [ COMPRESSION ] TGLs = 5-1			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Minimal
		Hepatocellular Adenoma	
		Inflammation	Focal, Minimal
Note: [ HEPATOCLR ADEN ] TGLs = 3-22			
Mammary Gland		Dilatation	Mild
		Fibroadenoma	
		Hyperplasia	Mild
[ Dilatation TGLS = 2-8 ]			
[ Fibroadenoma TGLS = 1-21 ]			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-1			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47072

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland  
Uterus

**OBSERVATIONS**

Bone  
Clitoral Gland  
Kidney  
Liver  
  
Pituitary Gland  
    [ Adenoma TGLS = 3-1 ]  
Salivary Glands  
Vagina  
    [ Cyst TGLS = 2-8 ]

Biliar Tract  
  
Bile Duct  
  
Pars Distalis

Hyperostosis  
Degeneration  
Nephropathy  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Adenoma  
  
Adenoma  
Cyst

Moderate  
Cystic, Mild  
Minimal  
Mild  
Mild  
Mild  
Focal, Mild  
  
  
  
Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 429

TRT#: 8

SEX: Female

DAY ON TEST: 704

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-10			
Note: [ LEUKEMIA MONUC ] TGLs = 7-10			
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Leukemia Mononuclear	
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Minimal
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2-1			
Mammary Gland		Dilatation	Moderate
Note: [ DILATATION ] TGLs = 2-8			
Pancreas		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

**ANIMAL ID:** 429

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 704

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47073

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[ Adenoma TGLS = 10-1 ]			
Spleen		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Note: [ NECROSIS ] TGLs = 6-22			
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 9-3			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 430

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Hyperplasia	Minimal
Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 4-22			
Brain		Compression	Marked
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Fibrosis	Focal, Mild
		Focal Cellular Change	Mild
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Note: [ FIBROSIS ] TGLs = 6-24			
[ Focal Cellular Change TGLS = 5-25 ]			
[ Hepatocellular Carcinoma TGLS = 2-23 ]			
Lung		Granuloma	Mild
Mammary Gland		Dilatation	Mild
Mesentery	Fat	Necrosis	Mild
[ Necrosis TGLS = 1-21 ]			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 430

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 707

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47074

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 3-1

Thyroid Gland

C Cell

Hyperplasia

Minimal

---

PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 431

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Tongue

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
  
Kidney  
Liver

Cortex

Focal Cellular Change  
Degeneration  
Hyperplasia  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation

Minimal  
Cystic, Minimal  
Minimal  
Minimal  
Mild  
Multifocal, Mild  
Focal, Mild

Note: [ HYPERPLASIA ] TGLs = 3-21

Mammary Gland

Note: [ DILATATION ] TGLs = 1-8

Parathyroid Gland

Thyroid Gland

[ Carcinoma TGLS = 2-3 ]

Uterus

C Cell

Endometrium

Dilatation

Adenoma  
Carcinoma

Hyperplasia

Moderate

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 432

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Marked
Note: [ HYPEROSTOSIS ] TGLs = 3-9, 4-21, 5-22			
Clitoral Gland		Degeneration	Cystic, Mild
		Hyperplasia	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Note: [ FOCAL CELL CH ] TGLs = 1-6			
Lymph Node	Mediastinal	Angiectasis	Mild
[ Angiectasis TGLS = 2-3 ]			
Pancreas		Atrophy	Focal, Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 433

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-46954

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Minimal
Clitoral Gland		Degeneration	Cystic, Mild
[ Degeneration TGLS = 1-8 ]			
Kidney		Liposarcoma	
Note: [ LIPOSARC ] TGLs = 6-22			
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 7-3			
Mesentery		Liposarcoma	Metastatic (Kidney)
Note: [ LIPOSARC ] TGLs = 5-21			
Salivary Glands		Atrophy	Focal, Minimal
Stomach	Glandular	Erosion	Mild
Note: [ EROSION ] TGLs = 8-23			
Uterus	Endometrium	Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Minimal
		Polyp Stromal	
[ Hydrometra TGLS = 3-7 ]			
[ Hyperplasia TGLS = 4-7-1 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 434

TRT#: 8

SEX: Female

DAY ON TEST: 707

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Mild

Bone

Hyperostosis

Minimal

Note: [ HYPEROSTOSIS ] TGLs = 2-22

Clitoral Gland

Degeneration

Cystic, Mild

Harderian Gland

Inflammation

Focal, Mild

Kidney

Nephropathy

Mild

Liver

Focal Cellular Change

Minimal

Mammary Gland

Inflammation

Focal, Minimal

Dilatation

Mild

Fibroadenoma

[ Fibroadenoma TGLS = 1-21 ]

Pituitary Gland

Angiectasis

Mild

Note: [ ANGIECTASIS ] TGLs = 3-1

Uterus

Endometrium

Hyperplasia

Cystic, Minimal

Endometrium

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 435

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	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	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 3-9, 4-23			
Clitoral Gland		Degeneration	Cystic, Minimal
Intestine Large	Colon	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Inflammation	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 7-6 [ Fatty Change TGLS = 2-22 ]			
Lung		Hemorrhage	Mild
	Alveolar Epith	Hyperplasia	Mild
[ Hemorrhage TGLS = 6-2-1 ] [ Hyperplasia TGLS = 6-2-1 ]			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Mild
Note: [ FIBROADENOMA ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Spleen		Hematopoietic Cell Proliferation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:17  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 435

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47614

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Endometrium

Hyperplasia

Cystic, Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45277

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Clitoral Gland  
Kidney  
Liver  
  
Mesentery  
    [ Necrosis TGLS = 1-21 ]  
Uterus

Fat

Endometrium

Degeneration  
Mineralization  
Focal Cellular Change  
Inflammation  
Necrosis  
  
Hyperplasia

Cystic, Mild  
Mild  
Minimal  
Focal, Mild  
Mild  
  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 437

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Adenoma	
		Degeneration	Cystic, Marked
Note: [ ADENOMA ] TGLs = 1-8			
Note: [ DEGEN ] TGLs = 1-8			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 3-6			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Cyst	Mild
	Pars Distalis	Focal Cellular Change	Mild
Thyroid Gland	C Cell	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 438

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Thymus  
Urinary Bladder

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Ovary  
Spleen  
Thyroid Gland

OBSERVATIONS

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 8-26

Hyperostosis  
Moderate

Clitoral Gland  
Kidney  
Liver

Degeneration  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Inflammation  
Cystic, Minimal  
Mild  
Mild  
Mild  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 6-25

Lung  
Note: [ FIBROSIS ] TGLs = 7-2

Fibrosis  
Focal, Mild

Mammary Gland

Dilatation  
Fibroadenoma  
Fibroma  
Hyperplasia  
Mild  
Multiple, Three  
Moderate

Note: [ FIBROMA ] TGLs = 3-23  
Note: [ DILATATION ] TGLs = 9-8  
Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22, 4-24

Nose  
Pancreas  
Pituitary Gland  
Skin  
Pars Distalis  
Note: [ HYPERKERATOSIS ] TGLs = 10-27

Inflammation  
Focal Cellular Change  
Hyperplasia  
Hyperkeratosis  
Suppurative, Minimal  
Minimal  
Focal, Mild  
Focal, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 438

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47616

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Endometrium

Hydrometra

Hyperplasia

Mild

Cystic, Minimal

Note: [ HYDROMETRA ] TGLs = 5-7

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 439

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland  
Uterus

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

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Clitoral Gland  
Kidney  
Liver

Bile Duct

Degeneration  
Mineralization  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Inflammation

Cystic, Mild  
Mild  
Moderate  
Minimal  
Focal, Mild

[ Inflammation TGLS = 2-22 ]

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-21

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Tongue

OBSERVATIONS

Bone  
Clitoral Gland  
Kidney  
Liver  
  
Note: [ FOCAL CELL CH ] TGLs = 3-21  
Mammary Gland  
Note: [ DILATATION ] TGLs = 1-8  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]  
Thyroid Gland  
Uterus

Bile Duct

Pars Distalis

C Cell

Endometrium

Hyperostosis  
Degeneration  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Hyperplasia  
Inflammation  
  
Dilatation  
  
Adenoma  
  
Adenoma  
Hyperplasia

Mild  
Cystic, Minimal  
Mild  
Minimal  
Mild  
Minimal  
Focal, Minimal  
  
Mild  
  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 582

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

OBSERVATIONS

Brain  
Note: [ COMPRESSION ] TGLs = 4-1  
Clitoral Gland  
Liver  
[ Fatty Change TGLS = 2-21 ]  
Mammary Gland  
[ Dilatation TGLS = 1-8 ]  
Pituitary Gland  
Note: [ ADENOMA ] TGLs = 3-1

Bile Duct  
  
  
  
  
  
Pars Distalis

Compression  
  
Degeneration  
Fatty Change  
Focal Cellular Change  
Hyperplasia  
Pigmentation  
  
Dilatation  
  
Adenoma

Marked  
  
Cystic, Mild  
Moderate  
Mild  
Minimal  
Minimal  
  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	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	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 3-23			
Brain		Compression	Mild
[ Compression TGLS = 5-1-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
Kidney		Nephropathy	Mild
Liver		Cyst	Moderate
		Fatty Change	Mild
		Focal Cellular Change	Mild
[ Fatty Change TGLS = 2-22 ]			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 443

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tongue	Trachea	Urinary Bladder

INSUFFICIENT TISSUE

Intestine Large - Rectum	Ovary
--------------------------	-------

OBSERVATIONS

Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 3-22			
Intestine Small	Jejunum	Leiomyosarcoma	
Note: [ LEIOMYOSAR ] TGLs = 2-21			
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Mammary Gland		Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Moderate
	Epithelium	Hyperplasia	Papillary, Moderate
		Inflammation	Suppurative, Minimal
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-23			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 444

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45279

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Bone  
Note: HYPEROSTOSIS TGLs = 2-22

Clitoral Gland  
Kidney  
Liver  
Mesentery

Note: NECROSIS TGLs = 1-21

Uterus

Fat

Endometrium

Hyperostosis

Degeneration  
Mineralization  
Inflammation  
Necrosis

Hyperplasia  
Inflammation

Minimal

Cystic, Mild  
Mild  
Focal, Mild  
Mild

Cystic, Minimal  
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Thymus

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Tongue

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 1-8

Kidney  
Liver

Degeneration  
Nephropathy  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Hyperplasia  
Inflammation

Cystic, Mild  
Mild  
Mild  
Mild  
Minimal  
Focal, Minimal

Bile Duct

Note: [ FOCAL CELL CH ] TGLs = 4-23  
[ Hyperplasia TGLS = 3-22 ]

Mammary Gland  
Note: [ FIBROADENOMA ] TGLs = 2-21

Nose  
Pancreas  
Pituitary Gland  
Spleen

Fibroadenoma  
Inflammation  
Atrophy  
Cyst  
Hematopoietic Cell Proliferation  
Carcinoma

Suppurative, Minimal  
Focal, Minimal  
Minimal  
Mild

Thyroid Gland  
Note: [ CARCINOMA ] TGLs = 5-3

C Cell

Uterus  
Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 446

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Nose

Parathyroid Gland

Salivary Glands

Skeletal Muscle

Skin

Stomach - Glandular

Thyroid Gland

Tongue

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Bone

Hyperostosis

Moderate

Note: [ HYPEROSTOSIS ] TGLs = 6-21

Clitoral Gland

Inflammation

Chronic, Minimal

Kidney

Pigmentation

Moderate

Liver

Centrilobular

Atrophy

Moderate

Fatty Change

Moderate

Biliar Tract

Fibrosis

Mild

Bile Duct

Hyperplasia

Moderate

Hyperplasia

Multifocal, Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-6

Lung

Hemorrhage

Mild

Leukemia Mononuclear

Note: [ HEMORRHAGE ] TGLs = 5-2

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-7

Mammary Gland

Dilatation

Mild

Mesentery

Leukemia Mononuclear

Ovary

Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 446

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 668

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46955

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 7-1

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-6-1

Stomach

Forestomach

Edema

Mild

Thymus

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 593

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-45978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: [ HEMORRHAGE ] TGLs = 5-1			
[ Leukemia Mononuclear TGLS = 5-1 ]			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Minimal
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-6			
Lung		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-2 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[ Fibrosis TGLS = 4-21 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 447

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 593

**DOSE:** 1.2%

**DISP:** Natural Death

**HISTO:** 88-45978

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

[ Leukemia Mononuclear TGLS = 1-6-1 ]

Thymus

Leukemia Mononuclear

Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 448

TRT#: 8

SEX: Female

DAY ON TEST: 631

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Vacuolization Cytoplasmic	Moderate
Bone		Hyperostosis	Marked
Note: [ HYPEROSTOSIS ] TGLs = 8-21			
Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 3-8-1			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-6			
Lung	Mediastinum	Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Ovary	Follicle	Cyst	Moderate
Note: [ CYST ] TGLs = 4-7			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Angiectasis	Mild
	Pars Distalis	Hyperplasia	Focal, Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 448

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 631

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46315

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thymus

Uterus

Endometrium

Endometrium

Leukemia Mononuclear

Hyperplasia

Sarcoma Stromal

Cystic, Mild

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Lymph Node - Mandibular
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Minimal
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
		Fibroadenoma	
Mammary Gland			
Note: [ FIBROADENOMA ] TGLs = 1-21			
Nose		Inflammation	Suppurative, Minimal
Ovary	Follicle	Cyst	Marked
Note: [ CYST ] TGLs = 2-23			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
		Cyst	Mild
[ Adenoma TGLS = 6-1 ]			
Spleen		Fibrosis	Mild
Note: [ FIBROSIS ] TGLs = 5-22			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
	Endometrium	Polyp Stromal	
	Endometrium	Sarcoma Stromal	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 449

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47621

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ POLYP STROMAL ] TGLs = 3-25, 4-24

Note: [ SARC STROMAL ] TGLs = 4-24

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 450

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Angiectasis	Mild
Note: [ ANGIECTASIS ] TGLs = 2-1			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 8

SEX: Female

DAY ON TEST: 715

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Intestine Large - Rectum  
Islets, Pancreatic  
Skeletal Muscle

Esophagus  
Intestine Small - Duodenum  
Nose  
Stomach - Glandular

Intestine Large - Cecum  
Intestine Small - Ileum  
Ovary  
Tongue

Intestine Large - Colon  
Intestine Small - Jejunum  
Parathyroid Gland  
Trachea

OBSERVATIONS

Adrenal Gland  
Cortex  
Note: [ LEUKEMIA MONUC ] TGLs = 12-10

Bone  
Bone Marrow  
Brain  
Note: [ COMPRESSION ] TGLs = 19-1

Clitoral Gland  
Degeneration  
Leukemia Mononuclear  
Cystic, Moderate

Heart  
Kidney  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Liver  
Fatty Change  
Nephropathy  
Minimal  
Moderate  
Biliar Tract  
Fibrosis  
Focal Cellular Change  
Mild  
Mild  
Hepatodiaphragmatic Nodule  
Mild  
Bile Duct  
Hyperplasia  
Hyperplasia  
Mild  
Multifocal, Mild  
Leukemia Mononuclear

Note: [ HDN ] TGLs = 14-24  
Note: [ FATTY CHANGE ] TGLs = 13-23

Lung  
Leukemia Mononuclear  
[ Leukemia Mononuclear TGLs = 20-27 ]

Lymph Node  
Axillary  
Iliac  
Inguinal  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 451

TRT#: 8

DOSE: 1.2%

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 715

HISTO: 88-47623

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-8-1  
Note: [ LEUKEMIA MONUC ] TGLs = 3-21  
Note: [ LEUKEMIA MONUC ] TGLs = 4-8  
Note: [ LEUKEMIA MONUC ] TGLs = 15-24  
Note: [ LEUKEMIA MONUC ] TGLs = 16-26

Mammary Gland

Dilatation  
Fibroadenoma  
Leukemia Mononuclear

Moderate

Note: [ FIBROADENOMA ] TGLs = 5-22  
Note: [ DILATATION ] TGLs = 1-8-1

Mesentery

Leukemia Mononuclear  
Leukemia Mononuclear

Pancreas

Note: [ LEUKEMIA MONUC ] TGLs = 11-7

Peripheral Nerve

Leukemia Mononuclear  
Adenoma

Pituitary Gland

Pars Distalis

Note: [ ADENOMA ] TGLs = 18-1

Salivary Glands

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Skin

Subcut Tiss

Spleen

Note: [ LEUKEMIA MONUC ] TGLs = 10-6

Stomach

Forestomach

Thymus

Leukemia Mononuclear  
Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 17-3 ]

Thyroid Gland

C Cell

Hyperplasia  
Leukemia Mononuclear

Minimal

Urinary Bladder

Note: [ LEUKEMIA MONUC ] TGLs = 7-8-1

Uterus

Endometrium

Hyperplasia  
Leukemia Mononuclear

Cystic, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 9-7

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 451

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 715

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-47623

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Vagina

Leukemia Mononuclear

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 452

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Mineralization	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland		Cyst	Minimal
Stomach	Glandular	Erosion	Minimal
Note: EROSION TGLs = 3-4			
Thyroid Gland		Ultimobranchial Cyst	Mild
Note: ULTIMOBRA CYST TGLs = 1-3			
Uterus	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 453

TRT#: 8

SEX: Female

DAY ON TEST: 553

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-45722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Salivary Glands  
Stomach - Glandular  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Thymus  
Urinary Bladder

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

OBSERVATIONS

Bone Marrow  
Clitoral Gland  
Kidney  
Liver

Nose  
Spleen  
Uterus

Endometrium  
Endometrium

Hypercellularity  
Degeneration  
Nephropathy  
Focal Cellular Change  
Inflammation  
Inflammation  
Hematopoietic Cell Proliferation  
Hyperplasia  
Polyp Stromal  
Prolapse

Mild  
Cystic, Mild  
Minimal  
Mild  
Focal, Mild  
Suppurative, Minimal  
Mild  
Cystic, Mild  
Moderate

Note: [ PROLAPSE ] TGLs = 2-7-1, 3-7-1

Note: [ POLYP STROMAL ] TGLs = 1-7-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 454

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Thymus	Tongue	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Hemorrhage	Mild
[ Hemorrhage TGLs = 9-1 ]			
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ LEUKEMIA MONUC ] TGLs = 6-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-5			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 8-1			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 454

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 668

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46956

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 5-6		
Stomach	Forestomach	Erosion	Minimal
	Forestomach, Mucosa	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic, Moderate
	Glandular	Inflammation	Chronic, Mild
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal
		Leukemia Mononuclear	
		Sarcoma	

Note: [ SARCOMA ] TGLs = 3-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 455

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thymus  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Spleen  
Thyroid Gland

OBSERVATIONS

Clitoral Gland  
Note: [ DEGEN ] TGLs = 3-8

Kidney  
Liver

Mammary Gland  
Note: [ FIBROADENOMA ] TGLs = 1-21, 2-22

Pancreas  
Pituitary Gland  
Uterus

Pars Distalis  
Endometrium

Degeneration  
Nephropathy  
Focal Cellular Change  
Infiltration Cellular  
Fibroadenoma  
Atrophy  
Hyperplasia  
Hyperplasia

Cystic, Moderate  
Minimal  
Mild  
Mixed Cell, Mild  
Multiple, Two  
Focal, Mild  
Focal, Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 456

TRT#: 8

SEX: Female

DAY ON TEST: 700

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Brain [ Compression TGLS = 8-1 ]		Compression	Marked
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 6-6, 6-6-1			
Mammary Gland		Dilatation	Marked
		Fibroadenoma	
Note: [ DILATATION ] TGLs = 2-8, 2-22			
Note: [ FIBROADENOMA ] TGLs = 1-21			
Mesentery	Fat	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 5-23			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 457

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

OBSERVATIONS

Kidney  
  
Liver

Mineralization  
Nephropathy  
Fatty Change  
Focal Cellular Change  
Hepatodiaphragmatic Nodule  
Inflammation

Mild  
Minimal  
Minimal  
Minimal  
Mild  
Focal, Minimal

[ Inflammation TGLS = 4-22 ]

Mammary Gland

Fibroadenoma

Note: FIBROADENOMA TGLs = 1-21

Pituitary Gland

Cyst

Mild

Uterus

Endometrium

Infarct

Mild

Note: [ INFARCT ] TGLs = 3-7-1

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 458

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47625

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Lung  
Ovary  
Skin  
Thyroid Gland  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular  
Trachea

**OBSERVATIONS**

Bone  
Note: [ HYPEROSTOSIS ] TGLs = 1-21  
Clitoral Gland  
Kidney  
Liver  
  
Mammary Gland  
Pancreas  
Pituitary Gland  
[ Adenoma TGLS = 2-1 ]  
Spleen

Pars Distalis

Hyperostosis  
  
Degeneration  
Nephropathy  
Focal Cellular Change  
Inflammation  
Dilatation  
Atrophy  
Adenoma  
  
Fibrosis

Mild  
  
Cystic, Moderate  
Mild  
Mild  
Focal, Minimal  
Mild  
Focal, Minimal  
  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 459

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone		Hyperostosis	Minimal
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 5-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 2-8			
Pituitary Gland		Angiectasis	Minimal
	Pars Distalis	Focal Cellular Change	Mild
[ Focal Cellular Change TGLS = 4-1 ]			
Uterus		Hydrometra	Minimal
	Endometrium	Hyperplasia	Cystic, Mild
	Endometrium	Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-7			
Note: [ HYDROMETRA ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 460

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	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 - Mesenteric	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Bone		Hyperostosis	Mild
Note: [ HYPEROSTOSIS ] TGLs = 5-23			
Brain		Compression	Minimal
[ Compression TGLS = 7-1 ]			
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 2-8			
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 4-22			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-21			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-1			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 460

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47627

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Mild

---

PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Pancreas  
Skin  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Bone Marrow  
Clitoral Gland  
Liver

Biliar Tract  
  
Bile Duct

Leukemia Mononuclear  
Degeneration  
Fibrosis  
Focal Cellular Change  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Cystic, Mild  
Mild  
Mild  
Mild  
Multifocal, Mild

Note: [ LEUKEMIA MONUC ] TGLs = 5-6  
Lung

Alveolar Epith

Hyperplasia  
Leukemia Mononuclear

Mild

[ Leukemia Mononuclear TGLS = 6-2-1 ]  
Lymph Node

Mediastinal  
Mesenteric

Leukemia Mononuclear  
Leukemia Mononuclear  
Hyperplasia

Mild

Mammary Gland  
Note: [ HYPERPLASIA ] TGLs = 1-8

Pars Distalis

Adenoma  
Leukemia Mononuclear

Pituitary Gland  
Spleen  
Note: [ LEUKEMIA MONUC ] TGLs = 4-6  
Uterus

Adenocarcinoma  
Decidual Reaction  
Hemorrhage

Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03

**Test Type:** CHRONIC

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Benzyl acetate

**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014

**Time Report Requested:** 04:47:17

**First Dose M/F:** NA / NA

**Lab:** SRI

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**ANIMAL ID:** 461

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 732

**DOSE:** 1.2%

**DISP:** Terminal Sacrifice

**HISTO:** 88-47628

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Endometrium

Hyperplasia

Cystic, Mild

Note: [ HEMORRHAGE ] TGLs = 3-7-1

Note: [ ADENOCARC ] TGLs = 2-7-1

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

**ANIMAL ID:** 462

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 456

**DOSE:** 1.2%

**DISP:** Scheduled Sacrifice

**HISTO:** 87-45282

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Parathyroid Gland	Thyroid Gland
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**OBSERVATIONS**

Kidney		Mineralization	Minimal
		Nephropathy	Minimal
Liver		Focal Cellular Change	Minimal
		Inflammation	Focal, Minimal
Uterus		Hydrometra	Mild
	Endometrium	Hyperplasia	Cystic, Mild

Note: HYDROMETRA TGLs = 1-7

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Thymus	Tongue
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	Minimal
Clitoral Gland		Degeneration	Cystic, Mild
Note: [ DEGEN ] TGLs = 2-8			
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Lung		Hyperplasia	Macrophage, Minimal
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Mesentery	Fat	Necrosis	Mild
Note: [ NECROSIS ] TGLs = 3-21			
Pancreas	Duct	Dilatation	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Stomach	Glandular	Developmental Malformation	Minimal
Note: [ DEVELOP MALFOR ] TGLs = 5-4-1			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 464

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47630

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	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	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Tongue	Trachea	Urinary Bladder	

**OBSERVATIONS**

Clitoral Gland		Degeneration	Cystic, Mild
Intestine Large	Colon	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 1-1 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 672

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-46957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Thyroid Gland
Tongue	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Mild
	Medulla	Hyperplasia	Mild
Note: [ CONGESTION ] TGLs = 7-10			
Bone		Hyperostosis	Moderate
Note: [ HYPEROSTOSIS ] TGLs = 11-22			
Clitoral Gland		Degeneration	Cystic, Mild
Intestine Large	Colon	Parasite Metazoan	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
[ Hyperplasia TGLS = 8-6, 9-6 ]			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Note: [ LEUKEMIA MONUC ] TGLs = 4-7			
Note: [ LEUKEMIA MONUC ] TGLs = 10-3			
Mammary Gland		Dilatation	Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

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ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 672

DOSE: 1.2%

DISP: Natural Death

HISTO: 88-46957

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Mesentery

Leukemia Mononuclear

Ovary

Leukemia Mononuclear

Spleen

Fibrosis

Mild

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-6-1

Note: [ FIBROSIS ] TGLs = 6-21

Stomach

Glandular

Erosion

Mild

Note: [ EROSION ] TGLs = 12-23

Thymus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45283

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Kidney  
Liver

Bile Duct

Pituitary Gland  
Uterus

Endometrium

Mineralization  
Fatty Change  
Hyperplasia  
Inflammation  
Cyst  
Hyperplasia

Mild  
Minimal  
Minimal  
Focal, Mild  
Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 2-21, 5-22			
Lung		Congestion	Mild
[ Congestion TGLS = 4-2 ]			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			
Stomach	Forestomach	Edema	Moderate
	Forestomach	Inflammation	Chronic, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Minimal
Liver		Fatty Change	Mild
	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FOCAL CELL CH ] TGLs = 3-22, 4-21			
Lymph Node	Mandibular	Angiectasis	Minimal
Note: [ ANGIECTASIS ] TGLs = 1-8			
Nose		Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Endometrium	Hyperplasia	Cystic, Mild
Note: [ HYPERPLASIA ] TGLs = 2-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 3-22			
Lymph Node	Pancreatic	Angiectasis	Moderate
Note: [ ANGIECTASIS ] TGLs = 1-21			
Pancreas		Atrophy	Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Stomach	Forestomach, Mucosa	Hyperplasia	Mild
	Forestomach	Inflammation	Chronic, Mild
	Forestomach	Ulcer	Mild
Note: [ INFLAMMATION ] TGLs = 2-4-1			
[ Inflammation TGLS = 2-4-1 ]			
Uterus	Endometrium	Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 470

TRT#: 8

SEX: Female

DAY ON TEST: 693

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46958

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Forestomach  
Tongue

Adrenal Gland - Medulla  
Heart  
Intestine Small - Duodenum  
Kidney  
Ovary  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Pancreas  
Skin  
Thymus  
Urinary Bladder

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

OBSERVATIONS

Bone  
Clitoral Gland  
Liver

Bile Duct

Mammary Gland

[ Fibroadenoma TGLS = 1-21 ]

[ Hyperplasia TGLS = 2-8 ]

Nose  
Pituitary Gland  
Uterus

Endometrium  
Endometrium

Hyperostosis  
Degeneration  
Focal Cellular Change  
Hyperplasia  
Inflammation  
Dilatation  
Fibroadenoma  
Hyperplasia

Inflammation  
Cyst  
Hyperplasia  
Polyp Stromal

Mild  
Cystic, Minimal  
Mild  
Mild  
Focal, Minimal  
Mild  
Mild  
Suppurative, Minimal  
Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 471

TRT#: 8

SEX: Female

DAY ON TEST: 708

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-47076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Brain		Compression	Marked
[ Compression TGLS = 4-1 ]			
Clitoral Gland		Degeneration	Cystic, Minimal
Kidney		Nephropathy	Mild
Liver	Biliar Tract	Fibrosis	Minimal
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Focal, Minimal
Lymph Node	Mesenteric	Angiectasis	Mild
[ Angiectasis TGLS = 2-5 ]			
Mammary Gland		Dilatation	Mild
[ Dilatation TGLS = 1-8 ]			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 3-1 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 472

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	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
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tongue	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Focal Cellular Change	Minimal
Brain		Compression	Marked
Note: [ COMPRESSION ] TGLs = 5-1			
Clitoral Gland		Degeneration	Cystic, Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Focal Cellular Change	Mild
	Bile Duct	Hyperplasia	Minimal
		Hyperplasia	Multifocal, Mild
		Inflammation	Focal, Mild
[ Focal Cellular Change TGLS = 3-23 ]			
Mammary Gland		Dilatation	Moderate
		Fibroadenoma	
[ Dilatation TGLS = 2-22 ]			
[ Fibroadenoma TGLS = 1-21 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-1			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 473

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tongue	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Clitoral Gland		Degeneration	Cystic, Moderate
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Necrosis	Focal, Mild
		Nephropathy	Minimal
Note: [ NECROSIS ] TGLs = 4-21			
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Biliar Tract	Fibrosis	Mild
	Bile Duct	Hyperplasia	Mild
		Hyperplasia	Multifocal, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-6			
Lung	Mediastinum	Leukemia Mononuclear	
		Leukemia Mononuclear	
Mammary Gland		Dilatation	Moderate
Note: [ DILATATION ] TGLs = 1-8			
Pancreas		Atrophy	Focal, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05120-03  
**Test Type:** CHRONIC  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Benzyl acetate  
**CAS Number:** 140-11-4

**Date Report Requested:** 10/22/2014  
**Time Report Requested:** 04:47:17  
**First Dose M/F:** NA / NA  
**Lab:** SRI

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**ANIMAL ID:** 473

**TRT#:** 8

**SEX:** Female

**DAY ON TEST:** 668

**DOSE:** 1.2%

**DISP:** Moribund Sacrifice

**HISTO:** 88-46960

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ CYST ] TGLs = 7-1  
Spleen

Cyst

Minimal

Fibrosis

Mild

Leukemia Mononuclear

Note: [ FIBROSIS ] TGLs = 2-22

Note: [ LEUKEMIA MONUC ] TGLs = 3-6-1

Thymus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 474

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Stomach - Forestomach  
Tongue

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Nose  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland  
Kidney

Liver

Ovary  
Uterus

Bile Duct

Follicle  
Endometrium

Degeneration  
Mineralization  
Nephropathy  
Hyperplasia  
Inflammation  
Cyst  
Hyperplasia

Cystic, Mild  
Minimal  
Minimal  
Minimal  
Focal, Minimal  
Moderate  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 475

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Spleen  
Tongue

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

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Clitoral Gland  
  
Kidney  
Liver

Bile Duct

Degeneration  
Hyperplasia  
Nephropathy  
Focal Cellular Change  
Hyperplasia  
Inflammation

Cystic, Minimal  
Minimal  
Minimal  
Mild  
Minimal  
Focal, Mild

Note: [ FOCAL CELL CH ] TGLs = 1-6

Nose  
Thymus  
Uterus

Endometrium  
Endometrium

Inflammation  
Cyst  
Hyperplasia  
Polyp Stromal

Suppurative, Minimal  
Mild  
Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tongue	Trachea	Urinary Bladder	

OBSERVATIONS

Clitoral Gland		Degeneration	Cystic, Moderate
Note: [ DEGEN ] TGLs = 2-8			
Intestine Large	Rectum	Parasite Metazoan	Mild
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Focal Cellular Change	Mild
		Hyperplasia	Minimal
		Hyperplasia	Multifocal, Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-6			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-1 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-6			
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 477

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Kidney		Nephropathy	Mild
Liver		Focal Cellular Change	Mild
		Hepatodiaphragmatic Nodule	Moderate
		Infiltration Cellular	Mixed Cell, Mild
		Inflammation	Focal, Mild
Note: [ HDN ] TGLs = 3-21			
Mammary Gland		Dilatation	Mild
Note: [ DILATATION ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-1 ]			
Spleen		Fibrosis	Minimal
Note: [ FIBROSIS ] TGLs = 2-6			
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 732

DOSE: 1.2%

DISP: Terminal Sacrifice

HISTO: 88-47637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Skeletal Muscle  
Thymus  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thyroid Gland  
Uterus

Bone  
Heart  
Intestine Small - Duodenum  
Lung  
Parathyroid Gland  
Stomach - Forestomach  
Tongue

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Salivary Glands  
Stomach - Glandular  
Trachea

OBSERVATIONS

Clitoral Gland

Degeneration  
Hyperplasia

Cystic, Moderate  
Mild

Kidney

Nephropathy

Mild

Liver

Biliar Tract

Fibrosis  
Focal Cellular Change  
Hyperplasia  
Leukemia Mononuclear

Minimal  
Mild  
Minimal

Note: [ LEUKEMIA MONUC ] TGLs = 2-6

Mammary Gland

Dilatation

Minimal

Note: [ DILATATION ] TGLs = 1-8

Nose

Inflammation

Suppurative, Minimal

Pancreas

Atrophy

Focal, Mild

Pituitary Gland

Pars Distalis

Focal Cellular Change

Mild

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 1.2%

DISP: Scheduled Sacrifice

HISTO: 87-45285

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skeletal Muscle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Skin  
Thymus  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Lung  
Nose  
Pituitary Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Forestomach  
Tongue

**OBSERVATIONS**

Intestine Large  
Kidney  
Liver  
  
Uterus

Rectum  
  
Bile Duct  
  
Endometrium

Parasite Metazoan  
Mineralization  
Hyperplasia  
Inflammation  
Hyperplasia

Minimal  
Mild  
Minimal  
Focal, Mild  
Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05120-03

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzyl acetate

CAS Number: 140-11-4

Date Report Requested: 10/22/2014

Time Report Requested: 04:47:17

First Dose M/F: NA / NA

Lab: SRI

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 641

DOSE: 1.2%

DISP: Moribund Sacrifice

HISTO: 88-46410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
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 - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tongue
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Brain		Compression	Moderate
[ Compression TGLS = 8-1 ]			
Clitoral Gland		Degeneration	Cystic, Moderate
[ Degeneration TGLS = 1-8-1 ]			
Kidney		Nephropathy	Minimal
Liver		Focal Cellular Change	Mild
		Inflammation	Focal, Mild
Lymph Node	Mandibular	Angiectasis	Mild
[ Angiectasis TGLS = 3-8 ]			
Mammary Gland		Adenoma	
		Dilatation	Moderate
		Fibroadenoma	
[ Adenoma TGLS = 4-21 ]			
[ Dilatation TGLS = 2-8-2 ]			
[ Fibroadenoma TGLS = 5-22, 6-23 ]			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-1 ]			

PRIMARY CAUSE OF DEATH

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\*\* END OF REPORT \*\*

\* PROTOCOL REQUIRED TISSUE