Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

C Number: C92005

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male 0PPM	DAY ON TEST	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4	0 0 9 4		
	ANIMAL ID		0 1 8 7 3	0 1 9 0 7	0 1 9 1 4	0 1 9 2 4	0 1 9 2 5	0 1 9 2 7	0 1 9 3 6	0 1 9 4 0	*TOTALS	
Alimentary System												_
Liver Cardiovascular System		+	+	+	+	+	+	+	+	+	9	1
Heart Endocrine System		+	+	+	+	+	+	+	+	+	9	1
NONE General Body System												
NONE Genital System												
Epididymis		+	+	+	+	+	+	+	+	+	9	ı
Testes Hematopoietic System		+	+	+	+	+	+	+	+	+	9	
Spleen Integumentary System		+	+	+	+	+	+	+	+	+	9	1
NONE Musculoskeletal System												
Bone		+	+	+	+	+	+	+	+	+	9	

**Nervous System** 

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Time Report Requested: 07:36:12

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male 0PPM	DAY ON TEST  ANIMAL ID	0 9 4 0 1 8 7 2	0 9 4 0 1 8 7 3	0 9 4 0 1 9 0 7	0 9 4 0 1 9	0 9 4 0 1 9 2 4	0 9 4 0 1 9 2 5	0 9 4 0 1 9 2 7	0 9 4 0 1 9 3 6	0 9 4 0 1 9 4 0	*TOTALS
NONE											
Respiratory System											
Larynx		+	+	+	+	+	+	+	+	+	9
Lung		+	+	+	+	+	+	+	+	+	9
Nose		+	+	+	+	+	+	+	+	+	9
Special Senses System											
NONE											
Urinary System											
Kidney SYSTEMIC LESIONS		+	+	+	+	+	+	+	+	+	9
Multiple Organ		+	+	+	+	+	+	+	+	+	9

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

Time Report Requested: 07:36:12

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: NIEHS

## F 344/N Rat Male 0.5PPM

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

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X ..Lesion present
- I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Rat/F 344/N

**SYSTEMIC LESIONS** 

Multiple Organ

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Time Report Requested: 07:36:12

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male 0.5PPM	DAY ON TEST	0 0 9 4										
	ANIMAL ID	0 1 8 5 4	0 1 8 6 4	0 1 8 7 4	0 1 8 7 9	0 1 8 9 6	0 1 8 9 8	0 1 9 0 4	0 1 9 0 8	0 1 9 0 9	0 1 9 3 3	*TOTALS
Respiratory System												
Nose		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
NONE												
Urinary System												
NONE												

I ..Insufficient tissue

M ..Missing tissue

10

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

First Dose M/F: NA / NA

Date Report Requested: 10/22/2014

Time Report Requested: 07:36:12

Lab: NIEHS

F 344/N	Rat	Male
1PPM		

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

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X ..Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N	Rat	Male
1PPM		

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

\*TOTALS

**Respiratory System** 

Nose 10

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 10

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

Species/Strain: Rat/F 344/N **CAS Number:** 78-94-4

F 344/N Rat Male 2PPM	DAY ON TEST	0 0 9 4										
	ANIMAL ID	0 1 8 6 0	0 1 8 6 2	0 1 8 6 5	0 1 8 6 6	0 1 8 6 9	0 1 9 0 3	0 1 9 1 8	0 1 9 4 1	0 1 9 4 3	0 1 9 4 8	*TOTALS
Alimentary System												
Liver Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
Heart Endocrine System		+	M	+	+	+	+	+	+	+	+	9
NONE General Body System												
NONE Genital System												
Epididymis Testes Hematopoietic System		+	+	+ M	+	+	+	M +	+	+	M +	8
Spleen Integumentary System		+	+	+	+	+	+	+	+	+	+	10
NONE Musculoskeletal System												
Bone Nervous System		+	+	+	+	+	+	+	+	+	+	10

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**CAS Number:** 78-94-4

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

Species/Strain: Rat/F 344/N

F 344/N Rat Male 2PPM	DAY ON TEST  ANIMAL ID	0 9 4 0 1 8 6 0	0 9 4 0 1 8 6 2	0 9 4 0 1 8 6 5	0 9 4 0 1 8 6 6	0 9 4 0 1 8 6 9	0 9 4 0 1 9 0 3	0 9 4 0 1 9 1 8	0 9 4 0 1 9 4	0 9 4 0 1 9 4 3	0 9 4 0 1 9 4 8	*TOTALS
NONE Respiratory System												
Larynx		+	+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose Special Senses System		+	+	+	+	+	+	+	+	+	+	10
NONE Urinary System												
Kidney SYSTEMIC LESIONS		+	+	+	+	+	+	+	+	+	+	10
Multiple Organ		+	+	+	+	+	+	+ ***[	+ =N[	+ O O	+ F M	10 IALE DATA***

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014
Time Report Requested: 07:36:12
First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 0PPM	DAY ON TEST	0 9 5 0 1 9 5 2	0 9 5 0 1 9 6 6	0 9 5 0 1 9 7	0 9 5 0 1 9 9	0 9 5 0 1 9 9 8	0 9 5 0 2 0 0 6	0 9 5 0 2 0 0 9	0 9 5 0 2 0 1	0 9 5 0 2 0 2 3	0 9 5 0 2 0 3 3	*TOTALS
Alimentary System												
Liver Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
Heart Endocrine System		+	+	+	+	+	+	+	+	+	+	10
NONE General Body System												
NONE Genital System												
Ovary		+	+	+	+	+	+	+	+	+	+	10
Uterus <b>Hematopoietic System</b>		+	+	+	+	+	+	+	+	+	+	10
Spleen Integumentary System		+	+	+	+	+	+	+	+	+	+	10
NONE Musculoskeletal System												
Bone Nervous System		+	+	+	+	+	+	+	+	+	+	10

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:12

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

Lab: NIEHS

	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
F 344/N Rat Female OPPM		9 5	9 5	9 5	9 5	9 5	9 5	9 5	9 5	<b>9</b> 5	9 5	
	ANIMAL ID	0195	0 1 9 6	0 1 9 7	0 1 9	0 1 9	0 2 0 0	0 2 0 0	0 2 0 1	0 2 0 2	0 2 0 3	
		2	6	ó	3	8	6	9	4	3	3	*TOTALS
NONE												
Respiratory System												
Larynx		+	+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
NONE												
Urinary System												
Kidney SYSTEMIC LESIONS		+	+	+	+	+	+	+	+	+	+	10
Multiple Organ		+	+	+	+	+	+	+	+	+	+	10

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

**Date Report Requested:** 10/22/2014 **Time Report Requested:** 07:36:12

First Dose M/F: NA / NA

Lab: NIEHS

## F 344/N Rat Female 0.5PPM

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

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Time Report Requested: 07:36:13

Date Report Requested: 10/22/2014

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N	Rat	Female
0.5PPM		

Species/Strain: Rat/F 344/N

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

\*TOTALS

**Respiratory System** 

10 Nose

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 10

X ..Lesion present

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

D

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:13

First Dose M/F: NA / NA

Lab: NIEHS

## F 344/N Rat Female 1PPM

AY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
AMIMAL ID	1	1	1	1	1	1	2	2	2	2
	9	9	9	9	9	9	0	0	0	0
	5	5	7	8	9	9	1	2	3	3
	5	7	6	2	0	6	5	7	0	8

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X ..Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:13

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N	Rat	Female
1PPM		

Species/Strain: Rat/F 344/N

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	5	5	5	5	5	5	5	5	5	5
V VIII V V I I I	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	2	2	2	2
	9	9	9	9	9	9	0	0	0	0
	5	5	7	8	9	9	1	2	3	3
	5	7	6	2	0	6	5	7	0	8

\*TOTALS

**Respiratory System** 

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

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ + + + + + + + + + + 10

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Species/Strain: Rat/F 344/N

Test Type: 90-DAY

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Methyl vinyl ketone

**CAS Number:** 78-94-4

Date Report Requested: 10/22/2014 Time Report Requested: 07:36:13

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 2PPM	DAY ON TEST	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	0 0 9 5	
	ANIMAL ID	0 1 9 5 4	0 1 9 6 0	0 1 9 6 5	0 1 9 6 9	0 1 9 7 9	0 1 9 9	0 2 0 1 7	0 2 0 2 9	0 2 0 4 4	0 2 0 4 9	*TOTALS
Alimentary System												
Liver  Cardiovascular System		+	+	+	+	+	+	+	+	+	+	10
Heart Endocrine System		+	+	+	+	+	+	+	+	+	+	10
NONE General Body System												
NONE Genital System												
Ovary		+	+	+	+	+	+	+	+	+	+	10
Uterus Hematopoietic System		+	+	+	+	+	+	+	+	+	+	10
Spleen Integumentary System		+	+	+	+	+	+	+	+	+	+	10
NONE Musculoskeletal System												
Bone Nervous System		+	+	+	+	+	+	+	+	+	+	10

M ..Missing tissue

A .. Autolysis precludes evaluation

 $<sup>^{\</sup>star}\,$  ..Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Type: 90-DAY

Test Compound: Methyl vinyl ketone

Date Report Requested: 10/22/2014

Time Report Requested: 07:36:13

First Dose M/F: NA / NA

Lab: NIEHS

Species/Strain: Rat/F 344/N

**CAS Number:** 78-94-4

F 344/N Rat Female 2PPM	DAY ON TEST  ANIMAL ID	0 9 5 0 1 9 5 4	0 9 5 0 1 9 6 0	0 9 5 0 1 9 6 5	0 9 5 0 1 9 6	0 9 5 0 1 9 7	0 9 5 0 1 9 9	0 9 5 0 2 0 1 7	0 9 5 0 2 0 2	0 9 5 0 2 0 4 4	0 9 5 0 2 0 4 9	*TOTALS
NONE												
Respiratory System												
Larynx		+	+	+	+	+	+	+	+	+	+	10
Lung		+	+	+	+	+	+	+	+	+	+	10
Nose		+	+	+	+	+	+	+	+	+	+	10
Special Senses System												
NONE												
Urinary System												
Kidney		+	+	+	+	+	+	+	+	+	+	10
SYSTEMIC LESIONS												
Multiple Organ		+	+	+	+	+	+	+	+ * <b>⊏</b> N	+	+ OE	10 REPORT **
										ИD	OF	INLFORT

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup>Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue