

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

C Number: C92005

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date: NONE

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

SUMMARY OF STATISTICALLY SIGNIFICANT ($P \leq .05$) RESULTS IN THE ANALYSIS OF METHYL VINYL KETONE

MALE RAT

Organ

Nose

Nose: Olfactory Epi

Nose: Respirat Epith

FEMALE RAT

Organ

Nose

Nose: Olfactory Epi

Nose: Respirat Epith

Morphology

Inflammation Chronic

Regeneration

Mineralization

Metaplasia

Necrosis

Metaplasia

Hyperplasia

Morphology

Inflammation Chronic

Mineralization

Metaplasia

Necrosis

Regeneration

Metaplasia

Hyperplasia

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Epididymis				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/8 (12%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/8.00
POLY-3 PERCENT (g)	0%	0%	0%	12.5%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/8 (12%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.476
POLY 1.5	(e)	(e)	(e)	P=0.476
POLY 6	(e)	(e)	(e)	P=0.476
COCH-ARM / FISHERS	P=0.282	(e)	(e)	P=0.471
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.151
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	11.1%	0%	0%	11.1%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	94(T)	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.646	(e)	(e)	P=0.765N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Kidney				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	OPPM	MALE			2PPM
		0.5PPM	1PPM		
Kidney					
Nephropathy					
LESION RATES					
OVERALL(a)	5/9 (56%)	0/0 (0%)	0/0 (0%)	5/10 (50%)	
POLY-3 RATE (b)	5/9.00	0/0.00	0/0.00	5/10.00	
POLY-3 PERCENT (g)	55.6%	0%	0%	50%	
TERMINAL (d)	5/9 (56%)	0/0 (0%)	0/0 (0%)	5/10 (50%)	
FIRST INCIDENCE	94(T)	---	---	94(T)	
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	P=0.582N	
POLY 1.5	(e)	(e)	(e)	P=0.582N	
POLY 6	(e)	(e)	(e)	P=0.582N	
COCH-ARM / FISHERS	P=0.495N	(e)	(e)	P=0.586N	
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.411N	
HISTCONT SAME RTE					
HISTCONT ALL RTES					
CURR VS HC SAME RTE					
CURR VS HC ALL RTES					

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Kidney: Pelvis				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01
Test Type: 90-DAY
Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone
CAS Number: 78-94-4

Date Report Requested: 10/22/2014
Time Report Requested: 07:37:19
First Dose M/F: NA / NA
Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Foreign Body				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Inflammation Acute				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx: Glands				
Inflammation Acute				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	OPPM	MALE			2PPM
		0.5PPM	1PPM		
Liver					
Hematopoietic Cell Proliferation					
LESION RATES					
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	0/10.00	
POLY-3 PERCENT (g)	11.1%	0%	0%	0%	
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	0/10 (0%)	
FIRST INCIDENCE	94(T)	---	---	---	
STATISTICAL TESTS					
POLY 3	(e)	(e)	(e)	P=0.479N	
POLY 1.5	(e)	(e)	(e)	P=0.479N	
POLY 6	(e)	(e)	(e)	P=0.479N	
COCH-ARM / FISHERS	P=0.285N	(e)	(e)	P=0.474N	
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.152N	
HISTCONT SAME RTE					
HISTCONT ALL RTES					
CURR VS HC SAME RTE					
CURR VS HC ALL RTES					

Experiment Number: 92005-01
 Test Type: 90-DAY
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone
 CAS Number: 78-94-4

Date Report Requested: 10/22/2014
 Time Report Requested: 07:37:19
 First Dose M/F: NA / NA
 Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.521
POLY 1.5	(e)	(e)	(e)	P=0.521
POLY 6	(e)	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.323	(e)	(e)	P=0.526
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	4/9 (44%)	0/0 (0%)	0/0 (0%)	6/10 (60%)
POLY-3 RATE (b)	4/9.00	0/0.00	0/0.00	6/10.00
POLY-3 PERCENT (g)	44.4%	0%	0%	60%
TERMINAL (d)	4/9 (44%)	0/0 (0%)	0/0 (0%)	6/10 (60%)
FIRST INCIDENCE	94(T)	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.417
POLY 1.5	(e)	(e)	(e)	P=0.417
POLY 6	(e)	(e)	(e)	P=0.417
COCH-ARM / FISHERS	P=0.327	(e)	(e)	P=0.414
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.263
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL(a)	1/9 (11%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/9.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	11.1%	0%	0%	10%
TERMINAL (d)	1/9 (11%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	94(T)	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.737N
POLY 1.5	(e)	(e)	(e)	P=0.737N
POLY 6	(e)	(e)	(e)	P=0.737N
COCH-ARM / FISHERS	P=0.616N	(e)	(e)	P=0.737N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.471N
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Metaplasia				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Mineralization				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	7/10.00
POLY-3 PERCENT (g)	0%	0%	0%	70%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	7/10 (70%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=0.000**
POLY 1.5	P=0.000**	(e)	(e)	P=0.000**
POLY 6	P=0.000**	(e)	(e)	P=0.000**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.002**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.000**
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Necrosis				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Regeneration				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	OPPM	MALE		
		0.5PPM	1PPM	2PPM
Nose: Respirat Epith Hyperplasia				
LESION RATES				
OVERALL(a)	0/9 (0%)	5/10 (50%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	5/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	50%	100%	100%
TERMINAL (d)	0/9 (0%)	5/10 (50%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	94(T)	94(T)	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	P=0.013*	P=NA	P=NA
POLY 1.5	P=0.000**	P=0.013*	P=NA	P=NA
POLY 6	P=0.000**	P=0.013*	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	P=0.022*	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.003**	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Respirat Epith Metaplasia				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
POLY-3 RATE (b)	0/9.00	0/10.00	10/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	100%	100%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	10/10 (100%)	10/10 (100%)
FIRST INCIDENCE	---	---	94(T)	94(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	P=NA	P=NA
POLY 1.5	P=0.000**	(e)	P=NA	P=NA
POLY 6	P=0.000**	(e)	P=NA	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Respirat Epith Mineralization				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/9.00	0/10.00	0/10.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/9 (0%)	0/10 (0%)	0/10 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	P=0.207	(e)	(e)	P=0.521
POLY 1.5	P=0.207	(e)	(e)	P=0.521
POLY 6	P=0.207	(e)	(e)	P=0.521
COCH-ARM / FISHERS	P=0.203	(e)	(e)	P=0.526
MAX-ISO-POLY-3	P=0.148	(e)	(e)	P=0.179
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	MALE			
	0PPM	0.5PPM	1PPM	2PPM
Testes: Seminif Tub				
Degeneration				
LESION RATES				
OVERALL(a)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
POLY-3 RATE (b)	0/9.00	0/0.00	0/0.00	1/9.00
POLY-3 PERCENT (g)	0%	0%	0%	11.1%
TERMINAL (d)	0/9 (0%)	0/0 (0%)	0/0 (0%)	1/9 (11%)
FIRST INCIDENCE	---	---	---	94(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.303	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Heart				
Cardiomyopathy				
LESION RATES				
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	95(T)	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.645	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Kidney				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Kidney				
Nephropathy				
LESION RATES				
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Kidney: Pelvis				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Foreign Body				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Inflammation Acute				
LESION RATES				
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	10%	0%	0%	10%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	95(T)	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.760
POLY 1.5	(e)	(e)	(e)	P=0.760
POLY 6	(e)	(e)	(e)	P=0.760
COCH-ARM / FISHERS	P=0.645	(e)	(e)	P=0.763N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=1.000
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	3/10 (30%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	3/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	30%	0%	0%	10%
TERMINAL (d)	3/10 (30%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	95(T)	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.292N
POLY 1.5	(e)	(e)	(e)	P=0.292N
POLY 6	(e)	(e)	(e)	P=0.292N
COCH-ARM / FISHERS	P=0.201N	(e)	(e)	P=0.291N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.138N
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Larynx: Glands				
Inflammation Acute				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Liver				
Hematopoietic Cell Proliferation				
LESION RATES				
OVERALL(a)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	1/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	10%	0%	0%	0%
TERMINAL (d)	1/10 (10%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	95(T)	---	---	---
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500N
POLY 1.5	(e)	(e)	(e)	P=0.500N
POLY 6	(e)	(e)	(e)	P=0.500N
COCH-ARM / FISHERS	P=0.304N	(e)	(e)	P=0.500N
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159N
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01
 Test Type: 90-DAY
 Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone
 CAS Number: 78-94-4

Date Report Requested: 10/22/2014
 Time Report Requested: 07:37:19
 First Dose M/F: NA / NA
 Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
 LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Liver				
Hepatodiaphragmatic Nodule				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Liver				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	20%	0%	0%	30%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	95(T)	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.398	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.311
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Lung				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	2/10 (20%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
POLY-3 RATE (b)	2/10.00	0/0.00	0/0.00	3/10.00
POLY-3 PERCENT (g)	20%	0%	0%	30%
TERMINAL (d)	2/10 (20%)	0/0 (0%)	0/0 (0%)	3/10 (30%)
FIRST INCIDENCE	95(T)	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.398	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.311
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Lung				
Metaplasia Osseous				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose				
Inflammation Chronic				
LESION RATES				
OVERALL(a)	0/10 (0%)	1/10 (10%)	1/10 (10%)	9/10 (90%)
POLY-3 RATE (b)	0/10.00	1/10.00	1/10.00	9/10.00
POLY-3 PERCENT (g)	0%	10%	10%	90%
TERMINAL (d)	0/10 (0%)	1/10 (10%)	1/10 (10%)	9/10 (90%)
FIRST INCIDENCE	---	95(T)	95(T)	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	P=0.500	P=0.500	P=0.000**
POLY 1.5	P=0.000**	P=0.500	P=0.500	P=0.000**
POLY 6	P=0.000**	P=0.500	P=0.500	P=0.000**
COCH-ARM / FISHERS	P=0.000**	P=0.500	P=0.500	P=0.000**
MAX-ISO-POLY-3	P=0.000**	P=0.159	P=0.159	P=0.000**
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Metaplasia				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTEs				
CURR VS HC SAME RTE				
CURR VS HC ALL RTEs				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Mineralization				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	6/10.00
POLY-3 PERCENT (g)	0%	0%	0%	60%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	6/10 (60%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P<0.001**
POLY 1.5	P=0.000**	(e)	(e)	P<0.001**
POLY 6	P=0.000**	(e)	(e)	P<0.001**
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.005**
MAX-ISO-POLY-3	P=0.000**	(e)	(e)	P=0.000**
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Necrosis				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Olfactory Epi Regeneration				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	0%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	10/10 (100%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	(e)	P=NA
POLY 1.5	P=0.000**	(e)	(e)	P=NA
POLY 6	P=0.000**	(e)	(e)	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	(e)	P=0.000**
MAX-ISO-POLY-3	(e)	(e)	(e)	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS

DOSE	OPPM	FEMALE			2PPM
		0.5PPM	1PPM		
Nose: Respirat Epith Hyperplasia					
LESION RATES					
OVERALL(a)	0/10 (0%)	2/10 (20%)	9/10 (90%)	10/10 (100%)	
POLY-3 RATE (b)	0/10.00	2/10.00	9/10.00	10/10.00	
POLY-3 PERCENT (g)	0%	20%	90%	100%	
TERMINAL (d)	0/10 (0%)	2/10 (20%)	9/10 (90%)	10/10 (100%)	
FIRST INCIDENCE	---	95(T)	95(T)	95(T)	
STATISTICAL TESTS					
POLY 3	P=0.000**	P=0.227	P=0.000**	P=NA	
POLY 1.5	P=0.000**	P=0.227	P=0.000**	P=NA	
POLY 6	P=0.000**	P=0.227	P=0.000**	P=NA	
COCH-ARM / FISHERS	P=0.000**	P=0.237	P=0.000**	P=0.000**	
MAX-ISO-POLY-3	P=0.000**	P=0.067	P=0.000**	(e)	
HISTCONT SAME RTE					
HISTCONT ALL RTES					
CURR VS HC SAME RTE					
CURR VS HC ALL RTES					

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	OPPM	FEMALE		
		0.5PPM	1PPM	2PPM
Nose: Respirat Epith Metaplasia				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	8/10 (80%)	10/10 (100%)
POLY-3 RATE (b)	0/10.00	0/10.00	8/10.00	10/10.00
POLY-3 PERCENT (g)	0%	0%	80%	100%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	8/10 (80%)	10/10 (100%)
FIRST INCIDENCE	---	---	95(T)	95(T)
STATISTICAL TESTS				
POLY 3	P=0.000**	(e)	P=0.000**	P=NA
POLY 1.5	P=0.000**	(e)	P=0.000**	P=NA
POLY 6	P=0.000**	(e)	P=0.000**	P=NA
COCH-ARM / FISHERS	P=0.000**	(e)	P=0.000**	P=0.000**
MAX-ISO-POLY-3	P=0.000**	(e)	P=0.000**	(e)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Nose: Respirat Epith Mineralization				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
POLY-3 RATE (b)	0/10.00	0/10.00	0/10.00	0/10.00
POLY-3 PERCENT (g)	0%	0%	0%	0%
TERMINAL (d)	0/10 (0%)	0/10 (0%)	0/10 (0%)	0/10 (0%)
FIRST INCIDENCE	---	---	---	---
STATISTICAL TESTS				
POLY 3	(n)	(n)	(n)	(n)
POLY 1.5	(n)	(n)	(n)	(n)
POLY 6	(n)	(n)	(n)	(n)
COCH-ARM / FISHERS	(n)	(n)	(n)	(n)
MAX-ISO-POLY-3	(n)	(n)	(n)	(n)
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

**STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS IN RAT(F 344/N)
LAST REMOVAL AT 14286 WEEKS**

DOSE	FEMALE			
	0PPM	0.5PPM	1PPM	2PPM
Uterus				
Hydrometra				
LESION RATES				
OVERALL(a)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
POLY-3 RATE (b)	0/10.00	0/0.00	0/0.00	1/10.00
POLY-3 PERCENT (g)	0%	0%	0%	10%
TERMINAL (d)	0/10 (0%)	0/0 (0%)	0/0 (0%)	1/10 (10%)
FIRST INCIDENCE	---	---	---	95(T)
STATISTICAL TESTS				
POLY 3	(e)	(e)	(e)	P=0.500
POLY 1.5	(e)	(e)	(e)	P=0.500
POLY 6	(e)	(e)	(e)	P=0.500
COCH-ARM / FISHERS	P=0.304	(e)	(e)	P=0.500
MAX-ISO-POLY-3	(e)	(e)	(e)	P=0.159
HISTCONT SAME RTE				
HISTCONT ALL RTES				
CURR VS HC SAME RTE				
CURR VS HC ALL RTES				

Experiment Number: 92005-01

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P10: STATISTICAL ANALYSIS OF NON-NEOPLASTIC LESIONS

Test Compound: Methyl vinyl ketone

CAS Number: 78-94-4

Date Report Requested: 10/22/2014

Time Report Requested: 07:37:19

First Dose M/F: NA / NA

Lab: NIEHS

LEGEND

- (a) Number of tumor-bearing animals/number of animals examined at site.
 - (b) Number of tumor-bearing animals/Poly-3 number
 - (d) Observed incidence at terminal kill.
 - (e) Value of statistic cannot be computed.
 - (f) Beneath the control incidence are the P-values associated with the trend test. Beneath the dosed group incidence are the P-values corresponding to pairwise comparisons between the controls and that dosed group.
 - (g) Poly-3 adjusted lifetime tumor incidence.
 - (n) No statistics are calculated if all dose groups have fewer than two tumors.
 - (I) Interim sacrifice
 - (T) Terminal sacrifice
 - # Tumor rates based on numbers of animals necropsied.
 - * To the right of any statistical result, indicates significance at ($P \leq 0.05$).
 - ** To the right of any statistical result, indicates significance at ($P \leq 0.01$).
 - N Indicates a negative trend for all tests
- The Cochran-Armitage and Fishers exact tests compare directly the overall incidence rates.

**** END OF REPORT ****