

1-7-60

Vinyl Chloride

T 3.4-16-9

Rat. Male

200 PPM

140 exp. 259 Days

Cage	Birthdate	Age	Weight
2179	2-23-59	312	361
			405
			381
			361
2180			414
			434
			356
			366

26

2353-10

27

54-11

28

55-02

29

56-20

30

2357-11

31

58-12

32

59-00

33

60-01

100 PPM

140 exp. 259 Days

2181

34

2333-00

2-23-59

312

361

35

34-10

432

36

35-11

371

37

36-02

382

R&S 033866

2182

38

2338-01

39

39-02

374

336

7d. 1-7-60

Recovery
Control fed 116.4 - 305.2

SPECIES: *Rat*
 STRAIN: *Dow*
 SEX: *Male*
 DATE KILLED: *1-7-66*

Vinyl Chloride 200ppm

PROB. NO. T *3.4-16-3*
 EXPT. NO.
 RUN NO.

11-4

BIOCHEMICAL RESEARCH LABORATORY

STATISTICAL ANALYSIS OF DATA

R&S 033867

Liver WT.

NUMBER IN SERIES (N)	<i>Uncontrol</i>		<i>Exposed 200ppm</i>		<i>100ppm</i>							
	X	(X - $\bar{X}$)	X	(X - $\bar{X}$)	X	(X - $\bar{X}$)	X	(X - $\bar{X}$)	X	(X - $\bar{X}$)	X	(X - $\bar{X}$)
1	2.58	0.15	2.48	0.11	2.55	0.02						
2	2.51	0.08	2.74	0.15	2.31	0.22						
3	2.28	0.15	2.62	0.03	2.54	0.02						
4	2.39	0.04	2.64	0.06	2.60	0.07						
5	2.36	0.07	2.84	0.25	2.67	0.14						
6	2.64	0.21	2.48	0.11	2.53	0.00						
7	2.38	0.05	2.45	0.14								
8	2.28	0.15	2.46	0.13								
9	2.44	0.01										
10	2.42	0.01										
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
$\Sigma(X - \bar{X})$		0.92		0.97		0.47						
MEAN ($\bar{X}$)	2.43		2.59		2.53							
$\Sigma(X - \bar{X})^2$		0.1272		0.1491		0.0737						
STAND. DEV.												
COMPARED WITH CONTROL SERIES	N											
	S			0.134		0.119						
	T			2.52		1.63						
	P			0.021		0.126						
				<i>sig</i>		<i>ns</i>						

SUBJECT Vinyl Chloride - 200 PPM

73.4-16-3

Date

Male Rat - Liver Wt

Sheet

Of

File

$$S = \sqrt{\frac{0.1272 + 0.1491}{16}} = \sqrt{\frac{0.2763}{16}} = \sqrt{0.017369} \quad \begin{matrix} 1 & 3 & 4 \end{matrix}$$

$$T = \frac{0.16}{0.134} \times 2.1082 = \frac{0.337312}{0.134} = 2.52$$

$$\therefore P = 0.021 \text{ sig}$$

R&S 033868

Vinyl Chloride 100 PPM

Male Rat - Liver Wt

$$S = \sqrt{\frac{0.1272 + 0.0737}{14}} = \sqrt{\frac{0.2009}{14}} = \sqrt{0.014350} \quad \begin{matrix} 0 & 1 & 1 & 9 \end{matrix}$$

$$T = \frac{0.10}{0.119} \times 1.9365 = \frac{1.93650}{119} = 1.63$$

$$\therefore P = 0.126 \text{ sig}$$

STARVED:

REPEATED VAPOR EXPOSURES: _____ mg./l.

SUMMARY OF GROSS ~~MICRO~~ PATHOLOGICAL FINDINGS

MATERIAL:

MATERIAL:
Vinyl Chloride

[illegible]

N = NORMAL TISSUE AS COMPARED WITH TISSUES FOR CONTROL ...

R&S 033869

SPECIES:

STRAIN:

SEX:

DATE KILLED:

STARVED:

200 PPM

100 "

BIOCHEMICAL RESEARCH DEPARTMENT

PROBLEM NO. T 3-4-16-3

EXPT. NO.

RUN NO.

MATERIAL:

vinyl chloride

REPEATED ORAL DOSES: _____ g./kg.

REPEATED VAPOR EXPOSURES: _____ mg./l.

SUMMARY OF ~~ORAL~~ MICRO PATHOLOGICAL FINDINGS

ANIMAL NUMBER	Age	NUMBER OF Expts.	NUMBER OF Days	KILLED OR DIED	CONDITION	LUNG	HEART	LIVER	KIDNEYS	SPLEEN	ADRENALS	PANCREAS	TESTES	BONE MARROW	
2353	318	140	259	K	33 CC Plates Filed										
54					34 CC										
55															
56															
57															
58															
59															
60															
2333	318	140	259	K	34 CC										
34															
35															
36															
38															
39															

R&S 033870

N = NORMAL TISSUE AS COMPARED WITH TISSUES FOR CONTROL ANIMALS.

1-8-60

Vinyl Chloride

T 3.4-16.4

Rat Female

200 PPM

142 exp. 261 days

Cage
2191Birthdate
2-23-59Age
319Weight
247

62

2401-10

63

02-11

230

64

03-02

234

65

04-20

207

2192

66

2405-01

244

67

06-11

220

68

07-00

203

69

08-10

217

2193

70

2409-01

238

71

10-11

262

72

11-02

248

73

12-12

242

100 PPM

142 exp. 261 days

2194

74

3745-00

2-23-59

319

222

75

46-01

266

76

47-10

270

77

48-20

234

2195

78

3749-01

250

79

50-10

244

80

51-11

218

81

52-02

223

2196

82

3753-20

253

83

54-00

218

84

55-11

196

85

56-02

224

R&S 033871

1-8-60

140 07 201=TRN 14 11 5 6

STARVED:

REPEATED VAPOR EXPOSURES: _____ mg./l.

SUMMARY OF GROSS ~~NEED~~ PATHOLOGICAL FINDINGS

MATERIAL:

MATERIAL:
Vinyl Chloride

[illegible]

N = NORMAL TISSUE AS COMPARED WITH TISSUES FOR CONTROL ANIMALS.

SPECIES: Rat
STRAIN: Now
SEX: Female
DATE KILLED: 1-8-76
STARVED: Yes

PROBLEM NO. T
EXPT. NO.
RUN NO.
MATERIAL:

9.4-16-3

MATERIAL:
Vinyl Chloride

SUMMARY OF ~~GROSS~~ MICRO PATHOLOGICAL FINDINGS

REPEATED ORAL DOSES: _____ g./kg.

REPEATED VAPOR EXPOSURES: _____ mg./l.

[illegible]

N = NORMAL TISSUE AS COMPARED WITH TISSUES FOR CONTROL ANIMALS.